

19990507.qrp v01_n450.qrl.990507

Date: Fri, 7 May 1999 19:03:22 EDT

From: qrp-l@Lehigh.EDU

To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Subject: QRP-L digest 1450

QRP-L Digest 1450

Topics covered in this issue include:

- 1) [39757] Warning! KE4BAF
by K2UD@aol.com
- 2) [39758] Re: camping info
by Dean W Manley <kh6b@juno.com>
- 3) [39759]
by Anthony Felino <anthony@pacinfosb.com>
- 4) [39760] Now Showing: The ARS Sojourner
by Richard Fisher <ki6sn@yahoo.com>
- 5) [39761] Re:
by "Paul Christensen" <paulc@mediaone.net>
- 6) [39762] FW: ARLB030 Operators still needed in Oklahoma tornado recovery
by "Ed Tanton" <n4xy@att.net>
- 7) [39763] SST
by Ron <rong@slip.net>
- 8) [39764] Heathkit HRA-10-1
by Ray Colbert <af852@rgfn.epcc.edu>
- 9) [39765] RE: Launching Antennas
by "Bill Johnson" <b11john@msn.com>
- 10) [39766] dayton countdown
by James Skalski <jskalski@localnet.com>
- 11) [39767] Re: tx into dummy load but not real antenna
by Jim <w7ls@blarg.net>
- 12) [39768] QRPp
by william h ross <k6mgo@juno.com>
- 13) [39769] Artificial Ground and RF current meter
by "Robert W. Shaw" <lycott@fox.nstn.ca>
- 14) [39770] Re: dayton countdown
by "Steve Sorrell" <ap036@detroit.freenet.org>
- 15) [39771] QRPp
by waltk8cv@juno.com
- 16) [39772] Re: Spring Bouquet--Ben's on 14060.6 (fwd)
by Bruce Rattray <rattray@gpfn.sk.ca>
- 17) [39773] QRPp
by N10DL@aol.com
- 18) [39774] Re: Warning! KE4BAF
by N10DL@aol.com
- 19) [39775] re:tx into dummy load but not real antenna

- by John Farler <jfarler@mis.net>
- 20) [39776] Re: Folding bail for small rigs
by CQCL@aol.com
- 21) [39777] RE: ZM-2 Plastic Case & Meatl
by aweiss@usd.edu (Ade Weiss W0RSP)
- 22) [39778] RE: half-watt
by aweiss@usd.edu (Ade Weiss W0RSP)
- 23) [39779] QRPp
by flydnq7x@primenet.com (Floyd Smithberg)
- 24) [39780] Re: 74HCT20 vs 74HC240
by "Paul Harden, NA5N" <na5n@rt66.com>
- 25) [39781] FS: Wilderness Norcal 40A + KC1
by "Jerry McCollom W0MC" <w0mc@hotmail.com>
- 26) [39782] Re: Winter Issue of QRPp
by Mont Pierce <km6wt@usa.net>
- 27) [39783] Dayton QRP Banquet / SPEAKER INFO!
by "Scott Rosenfeld [N7JI]" <ham@w3eax.umd.edu>
- 28) [39784] RS PS cash refund !!
by "Radman" <radman@best.com>
- 29) [39785] Re: Dayton QRP Banquet / SPEAKER INFO!
by "J. Ervin Bates, W8ERV" <kb8tnq@voyager.net>
- 30) [39786] SV: ZM-2 Tuner problem solved!
by "Hans =?ISO-8859-1?Q?Sundstr=F6m"?= <hans.sundstrom@telia.com>
- 31) [39787] Re: Artificial Ground and RF current meter
by Bruce Muscolino <w6toy@erols.com>
- 32) [39788] RE: ZM-2 Plastic Case & Meatl
by "L. B. Cebik" <cebik@utkx.utcc.utk.edu>
- 33) [39789] RE: ZM-2 Plastic Case & Metal
by Chuck Carpenter <w5usj@unicomp.net>
- 34) [39790] QRP Classics
by Edwin Lappi <ae4ec@usa.net>
- 35) [39791] Fishing in trees
by "Tom Moll" <tomm@xata.com>
- 36) [39792] SB Mayflower log
by Ben Pooley <bpooley@bar.auracom.com>
- 37) [39793] re:tx into dummy load but not real antenna
by "Steve Sorrell" <ap036@detroit.freenet.org>
- 38) [39794] Wild week in Ok.....a few goodies for sale
by Clifton W Sikes <ab5uacw@juno.com>
- 39) [39795] Station Monitor Sold
by "George Goodroe" <goodroe@worldnet.att.net>
- 40) [39796] Dayton room space available
by "Scott Rosenfeld [N7JI]" <ham@w3eax.umd.edu>
- 41) [39797] Re: W8JK
by "Brad Bradfield, PE" <b_bradfield@yahoo.com>
- 42) [39798] Back-up rig/1st rig : have \$350 - \$400 to spend
by kreinbd@ccgate.dl.nec.com (David Kreinberg)
- 43) [39799] Re: Back-up rig/1st rig : have \$350 - \$400 to spend

by "Bryan Turner" <turnerw@email.uah.edu>
44) [39800] Oblast-Prefix/suffix list
by w4pj@w4bkx.ampr.org
45) [39801] OHR100 n' Freq Mite
by Richard Rood <fcs@juno.com>
46) [39802] Re: Folding bail for small rigs
by Tom M <tjmc@erols.com>
47) [39803] Re: Back-up rig/1st rig : have \$350 - \$400 to spend
by Bradley Mitchell <wb8ygg@yahoo.com>
48) [39804] QRPp
by "Steven Weber" <kd1jv@moose.ncia.net>
49) [39805] RE: Plug In Coils for Regens
by "Brad Hernlem" <alihernlem@hotmail.com>
50) [39806] Re: Back-up rig/1st rig : have \$350 - \$400 to spend
by Randy and Cara Randall <crrandal@seidata.com>
51) [39807] More fun with a sound card
by Laura Halliday <lha@sdr.utias.utoronto.ca>
52) [39808] WTB: MFJ-971 Tuner
by RADIO OAKLAND <w6abc@yahoo.com>
53) [39809] HamCom Info Update
by ki6ds@dpol.k12.ca.us (Hendricks, Doug)
54) [39810] DSW-40 Pictures
by Chuck Adams <adams@ticnet.com>
55) [39811] Unbuilt NC20 FS
by bcutter@teal.csn.net (Bob Cutter)
56) [39812] FS: Unbuilt 11-2-10 meter kit
by Tom Bowman <tbowman@nbn.net>
57) [39813] Winter 1998 QRPp Arrives -WOW!!
by Brian Kassel <bkassel@dancris.com>
58) [39814] Re: tx into dummy load but not real antenna
by Gary L Surrency <gsurrency@juno.com>
59) [39815] Re: Coils for Regens: some numbers
by "Brad Hernlem" <alihernlem@hotmail.com>
60) [39816] OHR-100 Drift Project -- CLOSURE
by Ed Loranger <we6w@qsl.net>
61) [39817] RE: ZM-2 Plastic Case & Meatl
by Adrian Weiss <aweiss@usd.edu>
62) [39818] Re: SWL needs top-notch radio. CLOSURE
by Ed Loranger <we6w@qsl.net>
63) [39819] Re: DSW-40 Pictures
by Jay Bromley <w5jay@alltel.net>
64) [39820] Re: Back-up rig/1st rig : have \$350 - \$400 to spend
by "Carl Zmola" <zmola@campbellsci.com>
65) [39821] DDS beta #3 up and running
by PDouglas12@aol.com
66) [39822] Couple of Questions
by "Charles Hamel" <cdhamel@pdq.net>
67) [39823] NC20 Help needed

by "Stephen Krosner" <skrosner@mindspring.com>
68) [39824] QRPp
by Jay Bromley <w5jay@alltel.net>
69) [39825] RE: Couple of Questions
by "Ed Tanton" <n4xy@att.net>
70) [39826] FS: Vibroplex Model X
by pelt@vt.edu
71) [39827] Re: Couple of Questions
by "Chris Cieslak" <ccieslak@law.uiuc.edu>
72) [39828] ZM-2 ATU
by Larry East <w1hue@amsat.org>
73) [39829] FS: Original Norcal Sierra kit
by Jim Lowman <jmlowman@ix.netcom.com>
74) [39830] CW Chat?
by Norman Young <normany@mindspring.com>
75) [39831] NA5N Desert Ratt 3 Regen Plans
by ki6ds@dpol.k12.ca.us (Hendricks, Doug)
76) [39832] Unbuilt NC20 FS...SOLD
by bcutter@teal.csn.net (Bob Cutter)
77) [39833] Oblast list #1 of 10
by w4pj@w4bkx.ampr.org
78) [39834] Re: Back-up rig/1st rig : have \$350 - \$400 to spend
by Ray Colbert <af852@rgfn.epcc.edu>
79) [39835] Oblast part 5 of 10
by w4pj@w4bkx.ampr.org
80) [39836] Oblast part 6 of 10
by w4pj@w4bkx.ampr.org
81) [39837] Oblast part 7 of 10
by w4pj@w4bkx.ampr.org
82) [39838] Oblast part 8 of 10
by w4pj@w4bkx.ampr.org
83) [39839] Oblast part 9 of 10
by w4pj@w4bkx.ampr.org
84) [39840] Oblast part 10 of 10
by w4pj@w4bkx.ampr.org
85) [39841] Oblast file
by w4pj@w4bkx.ampr.org
86) [39842] Oblast part 2 of 10
by w4pj@w4bkx.ampr.org
87) [39843] Oblast part 3 of 10
by w4pj@w4bkx.ampr.org
88) [39844] Oblast part 4 of 10
by w4pj@w4bkx.ampr.org
89) [39845] SOLD: 11-2-10 meter kit
by Tom Bowman <tbowman@nbn.net>
90) [39846] address
by "mail" <richqrp@home.com>
91) [39847] T-kit qrp transceiver parasitics

by waltk8cv@juno.com
92) [39848] FS: 10M DK9SQ pole
by Allan G Taylor <k7gt@arrl.net>
93) [39849] QRPp
by "Walter Dufrain" <walter@inlink.com>
94) [39850] Re: DK9SQ 10 m mast for sale
by Allan G Taylor <k7gt@arrl.net>

Date: Thu, 6 May 1999 19:03:03 EDT
From: K2UD@aol.com
To: qrp-l@lehigh.edu
Subject: [39757] Warning! KE4BAF
Message-ID: <addda4cc.246379a7@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Ladies and gentlemen of the QRP-L. I feel I must advise you of the dangers of doing business with one David Corkran, KE4BAF of Falls Church, VA.

Chuck, if you must remove this from the list, you must. But I feel it is my obligation to warn others so that they may not suffer the experience I have.

I would implore all who subscribe or otherwise view this list NOT to do business with Mr. Corkran in the matter of purchasing any type of radio equipment from this individual. In all likelihood you will see neither the gear you purchased, nor your money in return.

To wit, Mr. Corkran has not been forthcoming with myself in regard to the sale of his Ten-Tec Argonaut station and accessories. He has had my funds for an inordinate amount of time, has offered several excuses for not delivering the same, all which do not seem reasonable, and has thus far failed to return phone messages, e-mails, or money concerning the same.

It is my opinion that, he either does not possess the gear that he advertised on this list on 20 Mar 99, or has no intentions to deliver the same. I also believe he has not been above board about this transaction, nor do I feel that he will feel compelled to return my funds for this transaction.

If there are those who have been successful in transacting business with Mr. Corkran, I would like to hear from those people. To be fair, I will provide such information, anecdotes or experiences in the package I have prepared for my legal counsel for his review. Should there be those who have shared similar experiences such as mine with Mr. Corkran, I would like to hear from them also.

The main thrust of this post is to prepare those who may elect to do business with Mr. Corkran, before they do so. May they not share the experience I have, nor resort to litigation regarding the same. It is sad indeed that there appear to be persons who utilize the list for purposes of deceiving others for their personal gain. It is also sad that I must report this to the list, as I feel that the list serves a higher purpose for those who subscribe to it. I would gladly refrain from using the list if it is requested that I do so, and would do the same with no ill sentiment towards any persons.

My experiences with the list have always been enjoyable. It serves a segment of the Amateur community that is not accommodated in too many other circles. My dealings with QRPers and homebuilders have never been fraught with ill-will, deception or belligerence. To me, QRP (and ham radio in general) is counted among the finer things in my life.

Excuse the bandwidth please, but I feel that forewarned is forearmed.

72 to all,

Howard Kraus, K2UD

Date: Thu, 06 May 1999 19:40:43 EDT
From: Dean W Manley <kh6b@juno.com>
To: qrp-l@lehigh.edu
Cc: kh6b@juno.com
Subject: [39758] Re: camping info
Message-ID: <19990506.134146.5391.0.kh6b@juno.com>

Hello group,

Mike, AH7R, has recently updated the Hawaii QRP Club web page. It's linked from Mike's UHam web page.

www.chem.hawaii.edu/uham

Mike wrote:

>One thing is certain. It WILL rain! Horizontal rain driven by trade winds enhanced by landbreeze/seabreeze regime.

>Mike AH7R qrp-l #1053

Ah, the tropical trade breezes and the soft tropical rain showers -- can't wait

until the next outing. Sorry we postponed the May picnic/outing. It's on to the major annual event: ARRL Field Day-1999, June 26-27. We are planning a return trip to the nearby county park at Laupahoehoe Point.

Aloha,

Dean KH6B
Hilo, Hawaii

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Get completely free e-mail from Juno at <http://www.juno.com/getjuno.html>
or call Juno at (800) 654-JUNO [654-5866]

Date: Thu, 6 May 99 16:37:57 -0800
From: Anthony Felino <anthony@pacinfosb.com>
To: qrp-l@lehigh.edu
Message-ID: <Chameleon.926034632.anthony@anthony>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Someone posted that 1500W PEP was not 1500W RMS.
Not true, as I understand it.
The term PEP refers to RMS power at the peak of the envelope.
A 1500W PEP CW signal (whose envelope is either 100 per cent or nothing) is 1500W RMS when the key is down. An SSB operator bellowing "aaaaaaah" into his mic as loud as his 1500W PEP transmitter will allow is getting 1500W RMS out of his transmitter.

PEP is different from peak power, which is the instantaneous power at the peak of an RF cycle.

AF, WN6Q

Date: Thu, 6 May 1999 17:40:32 -0700 (PDT)
From: Richard Fisher <ki6sn@yahoo.com>
To: QRP-L Reflector <qrp-l@lehigh.edu>
Cc: Russ Carpenter <russ@natworld.com>
Subject: [39760] Now Showing: The ARS Sojourner
Message-ID: <19990507004032.1802.rocketmail@web215.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

The May edition of the Adventure Radio Society's monthly journal, The ARS Sojourner, has been prepped, polished and posted on the organization's web site. Your free copy is just a few clicks away at:

www.natworld.com/ars

We hope you enjoy this month's edition. It marks the web magazine's first anniversary, and celebrates ARS' third birthday.

Featured this month are:

- + A comprehensive review and photos of the Elecraft K2 transceiver from the outdoorsman's point of view, by Bob Armstrong, N7XJ.

- + Details on homebrewing an innovative keyer paddle, tailor-made for backpack and portable operation, by Bob Edwards, W4ED.

- + Announcement of "The ARS Trail Friendly Antenna Survey," seeking the best of your trailside antenna designs and configurations, hosted by contributing editor Cam Hartford, N6GA.

- + Details about July's "Flight of the Bumblebees" competition.

- + Announcement of ARS' "Top of the World" VHF competition, and remarkable stories and photos of previous TOWs from ARS contest manager Russ Carpenter, AA7QU; and outdoors editor Lorraine Aubert, AC6XK.

- + And: a listing of ARS' newest members, results and soapbox comments from Monday's May Spartan Sprint, our monthly editorial "From Our Vantage Point," Wilderness Alert, and more.

As always, we appreciate your comments, recommendations and criticisms of The ARS Sojourner, and welcome your story and photo contributions and ideas.

On behalf of The ARS Sojourner staff, thanks for your tremendous support in our first year of publication. The QRP community and QRP-L have played a major role in our success.

Vy 72,

Richard Fisher, KI6SN
Executive editor, The ARS Sojourner

Do You Yahoo!?
Get your free @yahoo.com address at <http://mail.yahoo.com>

Date: Thu, 6 May 1999 20:47:19 -0400
From: "Paul Christensen" <paulc@mediaone.net>
To: <anthony@pacinfosb.com>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [39761] Re:
Message-ID: <003001be9823\$2a72da80\$6a3b8118@se.mediaone.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Power is Power. And by definition, there can be no "RMS" power; it is an oxymoron. Only when voltage and current are analyzed is RMS relevant.

When we begin to identify power as "peak," "instantaneous," "average," or "continuous," we're really looking at the denominator of the energy-divided-by-time equation for power. It's the time element or power "duty-cycle" that can make this issue so difficult to rationalize.

The great "RMS Power" debate was the range in audiophile circles during the '60s and '70s. This, among the many reported deceptive advertising practices in audio amplifier specifications, led the FTC to rule in the mid-'70s that all power specifications used in consumer electronic equipment must state total harmonic distortion at a conspicuously rated "Continuous Power." Even today, one finds audio amplifiers rated as "RMS Power," although it is illegal to do so.

PEP then, captures the true meaning of power, irrespective of the power duty-cycle.

-Paul, W9AC

----- Original Message -----

From: Anthony Felino <anthony@pacinfosb.com>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Sent: Thursday, May 06, 1999 8:37 PM

> Someone posted that 1500W PEP was not 1500W RMS.
> Not true, as I understand it.
> The term PEP refers to RMS power at the peak of the envelope.
> A 1500W PEP CW signal (whose envelope is either 100 per cent
> or nothing) is 1500W RMS when the key is down. An SSB operator
> bellowing "aaaaaaah" into his mic as loud as his 1500W PEP
> transmitter will allow is getting 1500W RMS out of his transmitter.
>
> PEP is different from peak power, which is the instantaneous power at
> the peak of an RF cycle.
>
> AF, WN6Q
>

Date: Thu, 6 May 1999 21:47:34 -0400
From: "Ed Tanton" <n4xy@att.net>
To: "CW Reflector" <cw@qth.net>
Cc: "QRP-L Reflector" <qrp-l@Lehigh.EDU>, "North GA QRP" <nogaqrp@qth.net>
Subject: [39762] FW: ARLB030 Operators still needed in Oklahoma tornado recovery
Message-ID: <000301be982b\$93d72a00\$01010101@n4xy>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

For those who have been forecasting the eminent demise of amateur radio,
especially as related to the internet and the cellular telephone, I submit
the following evidence seriously and remarkably to the contrary:

-----Original Message-----
From: ARRL Members Only Web site [mailto:memberlist@www.arrl.org]
Sent: Thursday, May 06, 1999 4:45 PM
Cc: recipient list not shown: ;
Subject: ARLB030 Operators still needed in Oklahoma tornado recovery

SB QST @ ARL \$ARLB030
ARLB030 Operators still needed in Oklahoma tornado recovery

ZCZC AG30
QST de W1AW
ARRL Bulletin 30 ARLB030
>From ARRL Headquarters

Newington CT May 6, 1999
To all radio amateurs

SB QST ARL ARLB030
ARLB030 Operators still needed in Oklahoma tornado recovery

The Salvation Army and the American Red Cross have put out calls for additional Amateur Radio assistance in the wake of Monday's devastating tornadoes in Oklahoma. Oklahoma Section Emergency Coordinator Bennett Basore, W5ZTN, has been running emergency nets and radio amateurs have been handling ''tons of health and welfare traffic.''

Oklahoma Section Manager Charlie Calhoun, K5TTT, reports the Salvation Army has requested amateur operators starting May 7 and probably for the rest of the week. ''They need hams to act as shadows and transport units in addition to manning the canteens,'' Calhoun said. ''They are expecting to send out 40 canteens into the field tomorrow.''

Calhoun said much of the activity is going through the Edmond, Oklahoma, 147.135 MHz repeater, which can be difficult to access with hand-held transceivers. He said mobile transceivers and external antennas and power sources would be a better choice.

He said volunteers should plan to stay at least four hours in the field. No vehicles are allowed in the field, and officials are shuttling hams in and out. Calhoun said it appeared that Amateur Radio communication would be required at least through Saturday. Volunteers should check in with the net control on the 147.135 repeater upon arriving in Oklahoma City.

Hams from the Tulsa area are planning to leave today for the Oklahoma City area to assist.

Ken Runyon, KC5PNO, reports that The Red Cross is requesting at least 50 amateur operators to be available all day Friday, May 7, to begin damage assessment. ''Hams will start working with damage assessment teams at 7:30 AM and will be moving from home to home through the disaster area,'' he said. Operators will need good footwear, a two-meter radio, and batteries to last at least 10 hours. Volunteers should contact the Red Cross, 405 232-7121.

OK Public Information Coordinator Thomas Webb, WA9AFM, reports he's monitored health-and-welfare traffic on both 2 meters and 75 meters coordinating Salvation Army canteen support.

''Based on the excellent warning, most of the victims appear to have

left the disaster area prior to the strike and were in contact with friends or family or were in shelters with adequate communications," he said.

For more tornado information and photos, visit
<http://www.hamsnet.net/kc5trr/oklahomadisaster.htm>

In the Wichita, Kansas, area, Kansas Section Manager Orlan Cook, W00YH, reports emergency net operations continue on HF. WB00FS is a net control for the Central States Traffic Net. The town of Haysville was hardest hit during the Monday storms, which left five people dead in Kansas.

With January's unusual tornadoes still fresh in their minds, Amateur Radio operators in Tennessee were ready to respond promptly when severe weather hit the Volunteer State May 5. Some counties activated emergency nets just in case. Hams in Montgomery County were asked to have mobile units ready to go to specific areas to check on flooding. In addition, the Red Cross asked hams there to stand by to assist. One operator was deployed to the local emergency operations center and another to the Red Cross.

NNNN

/EX

Date: Thu, 06 May 1999 18:48:41 -0700
From: Ron <rong@slip.net>
To: qrp-1@lehigh.edu
Subject: [39763] SST
Message-ID: <37324679.1BFD@slip.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Just started building my 40M SST, after finishing off other projects. Does anyone know of any errata in the instructions, besides the R12 typo on the circuit board? I have read a couple of comments about the proper number of turns on the toroid being different than the manual's instructions.. Thanks..KB6GK

Date: Thu, 06 May 1999 19:42:39 -0600
From: Ray Colbert <af852@rgfn.epcc.edu>

To: qrp-1@lehigh.edu
Subject: [39764] Heathkit HRA-10-1
Message-ID: <3732450F.744869F2@rgfn.epcc.edu>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Hi Gang - I am currently doing a qrp mod to a HW-16 and while doing so, was going to install a Heath Calibrator model HRA-10-1, so the station can be used in the novice/tech+ subbands without a problem. However, the little device seems to be without manual, and is not mentioned in the HW16 manual. The only place on the HW-16 that will accept the plug on the calibrator is the VFO accessory socket on the rear panel - surely one would not have to plug in the calibrator and then have to unplug it to use the vfo. I guess the question is this:
is this a correct calibrator for the HW16 or is it for some other Heath gear and not designed for this application?
All assistance is appreciated.
Thanks, 73
Ray

--

"Politicians are like nappies. Both should be changed regularly -- and for the same reason"
"Scotsman - Scotsman's Diary 12/97"

Ray Colbert, W5XE, 00TC 3618, SOWP 1064M NCT2
(also w5xe@juno.com El Paso, (FAR WEST) TEXAS

Date: Thu, 6 May 1999 20:50:52 -0500
From: "Bill Johnson" <b1ljohn@msn.com>
To: <w6toy@erols.com>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [39765] RE: Launching Antennas
Message-ID: <001201be982c\$09e5f140\$25f1fbd0@bill>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Bruce,

I find I need a bit more weight when I use a 4# monofilament line leader about 15 feet long and #30 magnet wire. I can get it up onto an extended

stay america with an old lead sinker which weighs about 2-3oz. Using less, the weight and resistance was too tough for me to get up over 40 ft. I "left" the antenna on the roof when I tried to "uninstall" it after 8 months of continuous use.

Bill
K9YEQ
b1ljohn@msn.com
MNQRP Club
Owner and operator of:
K-2, NC40a, 38S

-----Original Message-----

From: owner-qrp-1@Lehigh.EDU [mailto:owner-qrp-1@Lehigh.EDU] On Behalf Of
Bruce Muscolino
Sent: Thursday, May 06, 1999 12:33 PM
To: Low Power Amateur Radio Discussion
Subject: Launching Antennas

Gang,

For many years now I have used a Whammo slingshot to launch my antennas. I started using it when I was in the condo, launching a throw away "stealth" antenna once or twice a month. When I moved to the house I dug it out and again used it to launch my end fed wire up inot the trees.

I am a little confused about the weights you guys are using though. I laungh a monofilament line first, with only about 1/2 to 3/8 ounces of weight attached. I then pull up a piece of parachute cord with the monofilament and then the antenna wire itself. I find this method reduces the strain on myself and the weight. Frankly, I don't think I could launch a water bottle, thank God I don't have to!

Yes my method takes a bit longer, and it is more ideally suited to home antennas than field antennas, but for maybe a pound of extra weight you reduce the changes of damage to yourself or others immensely. Am I missing something?

73

Date: Thu, 6 May 1999 22:20:35 -0400 (EDT)

From: James Skalski <jskalski@localnet.com>
To: qrp-1@Lehigh.EDU
Subject: [39766] dayton countdown
Message-ID:
<Pine.LNX.4.04.9905062215230.7499-100000@valhalla.valhalla.buffalo.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

It is coming fast now. All of the winter months of waiting for nice weather and the hamfest season... I finally got my flea market spaces...
the same as last year 747, 748, 749
Hope everyone has a safe trip. I don't need another speeding ticket :-(

73,

Jim n2go

Date: Thu, 06 May 1999 19:28:24 -0700
From: Jim <w7ls@blarg.net>
To: PUNISHER3@aol.com, qrp-1@lehigh.edu
Subject: [39767] Re: tx into dummy load but not real antenna
Message-ID: <37324FC7.AF40B4C7@blarg.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

My first guess is that even though there is a flat swr, you may be getting rf into the shack, and back into the rig, via the keying line, power supply wires, etc. That would therefore, hose up the rig (in technical terms).

Just as guess, though.

Jim W7LS

PUNISHER3@aol.com wrote:

> Well, I've got a problem on my hands. I just finished my TENTEC 20m qrp rig,
> and all seems to work excellent.....into the dummy load. Then when I try to
> transmit in the antenna outside, the keying sounds like terrible scratches
> and hash, and the SWR is very high.
> To reassure myself, I plugged the antenna into my other rig, and all
> is working fine with flat swr. hmmm. Then I tried adjusting the antenna
> tuner to see if that changed anything. It changed a little bit, but can't get
> anything less than 1.7:1 and the keying still sounds terrible. What could

> the problem be? Any Tentec users also have this problem. I would LOVE to
> hear from you, as I want to try out this new rig and make a contact.
>
> Thanks in advance,
> Ben
> NW7DX
> Redmond, WA

Date: Thu, 6 May 1999 19:29:08 -0700
From: william h ross <k6mgo@juno.com>
To: qrp-l@Lehigh.EDU
Subject: [39768] QRPp
Message-ID: <19990506.192909.-70219.0.k6mgo@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Got my Winter 98 issue in Marina Del Rey, CA, today.

72/73
Bill, K6MGO

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or call Juno at (800) 654-JUNO [654-5866]

Date: Thu, 06 May 1999 22:46:34 -0400
From: "Robert W. Shaw" <lycott@fox.nstn.ca>
To: <qrp-l@lehigh.edu>
Subject: [39769] Artificial Ground and RF current meter
Message-ID: <3.0.5.32.19990506224634.008e0c10@fox.nstn.ca>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Does anyone know of a circuit diagram of an artificial ground tuner and series current indicator? I think I recalled seeing something on the www, but I don't recall where and my searches on AltaVista haven't revealed any diagrams.

Thanks in advance.

72 de Bob
72/73 de Bob--Amateur Radio Station VE3SUY (lycott@fox.nstn.ca)
Robert W. Shaw, Ottawa, Ontario, Canada

Date: Fri, 7 May 1999 02:52:29 +0100
From: "Steve Sorrell" <ap036@detroit.freenet.org>
To: <jskalski@localnet.com>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [39770] Re: dayton countdown
Message-ID: <001b01be982c\$472f0780\$d142b3c7@sorrells>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Jim, those speeding tickets are just Ohio's way of saying hello, stranger!
=8-)
de Steve, W8SFF

Date: Thu, 6 May 1999 22:53:27 GMT
From: waltk8cv@juno.com
To: qrp-1@lehigh.edu
Subject: [39771] QRPP
Message-ID: <19990507.015323.-122615.1.waltk8cv@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Nothing here in the BLACK HOLE!

Walt K8CV Royal Oak, MI.

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or call Juno at (800) 654-JUNO [654-5866]

Date: Thu, 6 May 1999 21:27:17 -0600 (CST)

From: Bruce Rattray <rattray@gpfn.sk.ca>
To: Low Power Group <qrp-l@LeHigh.EDU>
Subject: [39772] Re: Spring Bouquet--Ben's on 14060.6 (fwd)
Message-ID: <Pine.LNX.3.95.990506212251.12340C-100000@neale.gpfn.sk.ca>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

...picture this...
Congratulations Mike on working Ben....heard you; didn't hear Ben...kept
listening and >>>>>>>> nothing.....heard AB8DF work Ben....still no Ben
heard.....family matters start putting the pressure on.....supper's
ready!.....arrrrrghh.....my granddaughter has a baseball game and we're
all going.....8-<> ..I really should get a remote control HF system via 2
mtrs.....load up the van with lawn chairs...get heavy coat and
hat....ah it's Springtime in Regina...hmmmm I AM near the shack.....should
I?...go for it Bruce!.....turn rig on...what!?!.....solid cw signal.....
can't be Ben....#51.....it's Mary and she's working Ben!....I can just hear
Ben modulating the noise like hearing a feather falling on a carpeted
floor..... it's gonna be a "sub-conscious" contact if at all!....call Ben....
there's my call coming back plus the exchange....but is it really
happening?.... it must be "old" cw that's been bouncing off the inner
walls of my gray matter for the past two decades....no,no....I must believe
it's Ben and the Mayflower!!....my ears move through my headphones
down into the 430S and become part of the receiver's audio amplifier....
it's done!....at long last, the Nova Scotia Flower station in the
log.....or.....wait a minute.....was that an echo....or was that my
sub-concious laughing at me?....

....humbled once again, the Scribe

...72/73 - Bruce (VE5RC+VE5QRP) QRP-C#1 QRP-L#886 ARCI#9683 Zombie#272
A-1 Operator Club - 10/10# 944 - Regina, Saskatchewan, Canada
Amateur Radio Stamp Collector "QRP! How sweet it is!"

Date: Thu, 6 May 1999 23:10:21 EDT
From: N10DL@aol.com
To: qrp-l@lehigh.edu
Subject: [39773] QRPp
Message-ID: <94025c29.2463b39d@aol.com>

MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Nothing here in New Hampshire either. Am hoping I get it before I leave for England this weekend.

Aron
N10DL

Date: Thu, 6 May 1999 23:02:18 EDT
From: N10DL@aol.com
To: qrp-l@lehigh.edu
Subject: [39774] Re: Warning! KE4BAF
Message-ID: <3ff0d7bb.2463b1ba@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

I am sorry you had this problem, but I am also very glad you posted your situation on the web, as I should not like to ever be in this position. I hope you get your funds back from this person. He has been added to my list of people NEVER to do business with. Speaking up can make a difference! I must admit that I have never, to date, had a problem with purchasing ham equipment from this server. I have purchased rigs and keys, and antennas from several people on this server. so far so good. Just today I got an antenna in the mail from Joe Everhart, N2CX. I have bought several antennas from him. He sent me the antenna even before I sent him the check.(thanks Joe) Yes, we have done business in the past, but he does not know me from Adam. The reason I bring this up is to let you know that most of the hams on this server are very nice people, and I hope you will not think that this is commonplace.

I hope that someone reads your message and can help you in this matter. I wish I could.

Good Luck and I hope you trust this server in the future to purchase some fine rigs and equipment.

Good Luck
Aron
N10DL
Bedford, NH

Date: Thu, 06 May 1999 23:58:18 -0400
From: John Farler <jfarler@mis.net>

To: PUNISHER3@aol.com
Cc: qrp-1@lehigh.EDU
Subject: [39775] re:tx into dummy load but not real antenna
Message-ID: <3732648B.1601@mis.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Ben,

I had a similar problem with the 30 m. version of the rig.
After looking through DeMaw's books (Don't remember which one I found it in) tried putting a ferrite bead in the base lead of the final amplifier transistor to cool things off a bit. Problem seemed to be spurious signals developed in the final. It would work fine into a dummy load but go crazy into an actual antenna and show many watts of output, indicating vhf parasitics, I think (the TV on the bench thought so, too.) I believe another fix he described uses a resistor, but don't remember just where in the final. Your crazy swr is because of the spurious frequencies being created in the final.

I tried different beads I had around, and ended up using one salvaged from a dead computer mouse, I believe. I think you will have to cut a trace and jump it with a wire with the bead around it.

My rig works much better, and I have made a bunch of contacts with it, although the power out put increases the longer you key down, which I think is a sign it needs better heat sinking? I look forward to other responses to your problem, and the rising output problem, if anyone has an answer. Thanks.....

John Farler, K4AVX
jfarler@mis.net
Hazard, Ky.

--Original Message--

From: PUNISHER3@aol.com
To: qrp-1@lehigh.edu
Subject: [39756] tx into dummy load but not real antenna

Well, I've got a problem on my hands. I just finished my TENTEC 20m qrp rig, and all seems to work excellent.....into the dummy load. Then when I try

to
transmit in the antenna outside, the keying sounds like terrible
scratches
and hash, and the SWR is very high.

To reassure myself, I plugged the antenna into my other rig, and
all
is working fine with flat swr. hmmm. Then I tried adjusting the antenna
tuner to see if that changed anything. It changed a little bit, but
can't
get
anything less than 1.7:1 and the keying still sounds terrible. What
could
the problem be? Any Tentec users also have this problem. I would LOVE
to
hear from you, as I want to try out this new rig and make a contact.

Thanks in advance,
Ben
NW7DX
Redmond, WA

Date: Thu, 6 May 1999 23:40:03 EDT
From: CQCL@aol.com
To: ki7mn@extremezone.com, qrp-1@lehigh.edu
Subject: [39776] Re: Folding bail for small rigs
Message-ID: <af09079.2463ba93@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="ISO-8859-1"
Content-Transfer-Encoding: quoted-printable
Content-Transfer-Encoding: quoted-printable

Ten-Tec also has bails in their line of enclosures. The smallest, however, is about 6 inches wide.

I have a package of small snap-up legs #1102 from Ten-Tec and just wrote to see if they are still available. Sorry, but they are not. They would be perfect for small rigs. Maybe you can find them on some obscure shelves at one of your olders parts stores. Look for a poly bag with cardboard header with instructions. Retail was only \$1.00. How long ago?????

72,

Rich WOHEP
CQC #1,

G-QRP #8446, NorCal
QRP-L #1817, ARRL - LM
Life=92s Too Short for \$800 Finals

Date: Thu, 6 May 1999 23:01:34 -0500 (CDT)
From: aweiss@usd.edu (Ade Weiss W0RSP)
To: qrp-l@lehigh.edu
Subject: [39777] RE: ZM-2 Plastic Case & Meatl
Message-ID: <199905070401.XAA00431@sunburst.usd.edu>

Hi gang:

The ZM-2 is mounted in a plastic case. As a result, r.f. fields are not shielded from external coupling. So, when the ZM-2 is sitting on a metal surface, such as the metal top cover of a rig, undesirable coupling will occur into the metal cover of the rig. It appears that 1-inch between a metal surface and the bottom of the ZM-2 enclosure eliminates the undesirable coupling.

Otherwise, the ZM-2 is the top (in my humble opinion) QRP tuner. I have been toying with the notion of lining the plastic case with copper foil to see what happens, but haven't gotten around to it. Sort of a "if it works great, why try to improve it?" situation.

I also have been thinking of using a smaller case with smaller knobs etc.

One change I made was to move the coax and RCA connectors (my standard) to the rear of the case instead of locating them as shown on the top. I had to make a metal bracket and cut away part of the plastic case, but I just couldn't visualize having pieces of coax coming vertically off the top and then snaking somewhere. Would be great under a tree where the feedline comes down vertically. Oh well...

If you're looking for a QRP tuner, Bob Kellog has tested all of them plus most QRO units and found the ZM-2 to be the most efficient tuner out there. The key to its success, I believe, is the HUGE toroid core used for winding the inductances. Anything smaller would produce some noticeable losses.

72, Ade

Date: Thu, 6 May 1999 23:06:10 -0500 (CDT)
From: aweiss@usd.edu (Ade Weiss W0RSP)

To: qrp-1@lehigh.edu
Subject: [39778] RE: half-watt
Message-ID: <199905070406.XAA01526@sunburst.usd.edu>

When I was hanging out on Anna Maria Island just south of Tampa Bay and operating from the car parked next to the bay separating the mainland from the island, I got into the spring QRP QRCI Party and was popping away on 20m. Then a VERY weak G called me -- it took several tries to pull him out of the noise. I couldn't quite figure what he was sending as his power, so I figured it to be 5w with some kind of bungled sending in between the 5 and w. I QSLed his 5w, and he came back to correct that. I finally copied his "5mw" in a couple bursts of QSB!!!! I was just using the Hustler whip at the time.

Boy, I was really floored!

72, Ade

Date: Thu, 6 May 1999 21:11:01 -0700 (MST)
From: flydnq7x@primenet.com (Floyd Smithberg)
To: qrp-1@Lehigh.edu
Subject: [39779] QRPp
Message-ID: <199905070411.VAA24325@smtp03.primenet.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Winter issue arrived in ScQRPion Land today...great as usual...
Tnx Doug, Paul, Jim et al.....
73 Floyd NQ7X Phoenix ScQRPion

Date: Thu, 6 May 1999 22:36:32 -0600 (MDT)
From: "Paul Harden, NA5N" <na5n@rt66.com>
To: qrp-1@lehigh.edu
Subject: [39780] Re: 74HCT20 vs 74HC240
Message-ID: <Pine.SUN.4.10.9905062214160.874-1000000@shell.rt66.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Thu, 6 May 1999, James R Giammanco wrote:

> I recalled, and just looked up, a note from Paul, NA5N, about these two
> chips with reference to the 38 Special.
>
> He noted that the HCT part has a 6.5 V spec(HC part can run at 8 V) and
> lesser drive capability when the outputs are paralleled. His comment,
> for the 38 Special, "In short, it doesn't work."
>
> I presume those comments are equally applicable to the one-chip xmtrs...
>
> 72,
> Jim N5IB

The HC logic IC's (High speed CMOS) use MOSFET's in the output drive circuit. FET's can be paralleled to boost the output current drive. In fact, most HF transmitters (even those 50KW AM stations) nowadays use gobs of MOSFET's in parallel to achieve whatever output they want. Likewise in Ori's 38-Special design, four of the 74HC240 inverters are paralleled to multiply the output power 4 times over what a single inverter can deliver. You can do that with FET's and CMOS.

But you can't do that with regular TTL logic devices, unless they are open collector types.

The HCT logic IC's (High speed CMOS - TTL compatible) are internally clamped to 5V TTL output. If you connect them in parallel, they will indeed draw far more current, but the current flows through the output driver stages, and NOT delivered to the output. In short, this just heats up the IC a whole bunch ... maybe even a little too much if you know what I mean. ("Poof" for those who can't visualize it!). If you connect these in parallel, their output impedance is also in parallel, such that the net impedance becomes very low, developing a much smaller signal than a single one would do.

Connecting HC logic devices in parallel is acceptable and legal; connecting any TTL devices in parallel is not.

I've never done this for a QRP related project, but there are a few TTL inverters and NAND gates with OPEN COLLECTOR OUTPUTS. This means the output pin is the output driver transistor collector directly ... you put a resistor from the output pin (hence, collector) to +V to set the output current drive you wish. With the higher speed TTL stuff in the 50MHz or higher clocking speeds, you should be able to use this as a driver for about any HF band. You could even get fancy and replace the "pull up" resistor with a tuned circuit or broadband toroidal transformer for coupling to the output near the maximum current rating.

Shucks ... can't find my TTL digital data book here. Anyone know what the maximum current rating for the open collector guys are, like the

7406? You ain't gonna get no 5W out of it, that's for sure. :-)

72, Paul NA5N

Date: Thu, 06 May 1999 23:39:36 MDT
From: "Jerry McCollom W0MC" <w0mc@hotmail.com>
To: qrp-1@lehigh.edu
Subject: [39781] FS: Wilderness Norcal 40A + KC1
Message-ID: <19990507053936.86833.qmail@hotmail.com>
Mime-Version: 1.0
Content-type: text/plain; format=flowed;

Time to do a little shack clearing!

FS: Wilderness Norcal 40A + KC1 Keyer

Very clean, has 10-turn pot and is currently set to cover about 60Khz starting at 7.005. The radio has the custom KC1 front panel from Wilderness. I put an extra jack in the rear panel for paddles, so you have one paddle jack and one for a straight key. You can see my digital pics of the rig at:

< <http://www.frii.com/~mccollom/pics/nc40-1.jpg> >
< <http://www.frii.com/~mccollom/pics/nc40-2.jpg> >
< <http://www.frii.com/~mccollom/pics/nc40-3.jpg> >

Asking \$175 shipped, or best offer.

Thanks & 72,

--
de Jerry W0MC QTH Fort Collins, CO
w0mc@hotmail.com QRP-L #800

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Date: Thu, 06 May 1999 22:35:58 -0700
From: Mont Pierce <km6wt@usa.net>
To: ki6ds@dpol.k12.ca.us
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>

Subject: [39782] Re: Winter Issue of QRPP
Message-ID: <37327BBE.F97ABAB1@usa.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Just got mine today. :) :)

Hendricks, Doug wrote:

>
> Has the winter issue of QRPP arrived anywhere yet? Paul and I are concerned
> that there has not been a mention of it yet. 650 were mailed on Thursday
> and 750 or so were mailed on Saturday, including the DX copies. You don't
> have to post to the list, but please email me if you have received it.
> Thanks for the help. 72, Doug

Date: Fri, 7 May 1999 00:12:45 -0400 (EDT)
From: "Scott Rosenfeld [N7JI]" <ham@w3eax.umd.edu>
To: qrp-l <qrp-l@lehigh.edu>
Subject: [39783] Dayton QRP Banquet / SPEAKER INFO!
Message-ID: <Pine.LNX.3.95.990507001056.4962D-100000@w3eax.umd.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Well, the banquet now has a VERY brief (20 minute) speaker - Ed Hare, W1RFI, or ARRL, who will give a slide tour of ARRL HQ for those of us not lucky enough to tour Newington, CT.

As for reservations, I'm still taking them; don't bother sending money at this point - pay at the door - but let me know, if possible, if you plan on attending so I can estimate the total head count.

Scott Rosenfeld ARS N7JI
541-346-7401 Eugene, OR Land o' much rain
If you find me on the air, I'm probably in my car
ham@w3eax.umd.edu <http://w3eax.umd.edu/~ham>

Date: Fri, 7 May 1999 00:11:54 -0700
From: "Radman" <radman@best.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [39784] RS PS cash refund !!
Message-ID: <199905070709.AAA13460@proxy4.ba.best.com>

MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Gang,

Remember to stop by RS and pick up your CASH refund if you purchased your switching PS (22-503) prior to the sale date. You have 30 days of price protection from the date of purchase -- and that's \$10.83 if you live in CA :)

Who says there's no free lunch ;)

72,

Conrad -- NN6CW

Date: Fri, 07 May 1999 04:10:04 -0400
From: "J. Ervin Bates, W8ERV" <kb8tnq@voyager.net>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [39785] Re: Dayton QRP Banquet / SPEAKER INFO!
Message-ID: <37329FDC.80AD87D@voyager.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Scott and Gang:

It's killin me to know that Dayton is so near and that I cannot attend this year. Like seeing the candy, but not being able to reach it.

On a lighter note, I have to take issue (wink) with Scott's comments about the VERY brief speaker. I seriously DID enjoy Ade's presentation, thesis, commentary, "lecture?" on QRP and it's unique history. I have one regret and that is that I did not bring a camcorder to capture that moment (all 10,800 of them) for future posterity and an "I was there" account. You know people will talk about that for years to come.

When I look back to 1998's banquet, as a newcomer to your fine, traditionalized branch of the Hobby, I knew so little. By the end of the banquet, I was WELL informed and I read "The Joy of QRP" with renewed vigor. I have even re-read the printed version of Ade's speech in my QRP-ARCI quarterly.....and I enjoyed it again.

I mean this with ALL my heart.....it may have been long for some, but I could sit thru a few of these, if they provided the information and history (rich as this is) that captured my attention last year.

Please.....be safe, enjoy and I'm already looking forward to Dayton, 2000!

72/73,
Erv W8ERV

Date: Fri, 7 May 1999 11:59:00 +0200
From: "Hans =?ISO-8859-1?Q?Sundstr=F6m"?= <hans.sundstrom@telia.com>
To: <sda@bellsouth.net>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [39786] SV: ZM-2 Tuner problem solved!
Message-ID: <199905070959.LAA10910@d1o22.telia.com>

Before everyone starts resoldering their ZM2:s...
It does not matter if the tap 2 on the toroid is connected to the A or B section of C1
In both cases you do exactly the same with the switch. That is quite clear if you look at the schematics. In both cases you add another section of the C1 and/or the extra cap C3 by operating the switch.

Only difference is that you might prefer to connect the toroid tap to section B as it is pointed out in the "rear view 2 and 3", because in that case you keep the wires as short as possible.

Yes - I have got the tap connected to the "B" part of the C1, as I said, made that choice to keep the wires short. Works fine.

73

Hans / SM4ATJ

-----Ursprungligt meddelande-----
Fr n: sda <sda@bellsouth.net>
Till: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Datum: den 4 maj 1999 07:05
mne: ZM-2 Tuner problem solved!

>Worked all evening on the ZM-2, and I want to thank
>the TWELVE (12) people who responded with help,
>advice, and solutions. Especially want to thank

>Joe Gervais, AB7TT for his note, because his
>was the final solution.
>
>The two problems were:
>
>1. Apparent errata in the manual which Joe pointed
>out: "The error in the pictorial sketch ("Rear View 2")
>is that Tap 2 off T1 *SHOULD* be going to C1-A,
>NOT C1-B. You may want to double-check that, but
>that's the correction I added to Rear View 2. And
>again, the actual schematic is supposed to be
>correct."
>
>2. Tuning cap screws were making contact with the face
>plate, which Joe also pointed out: "The other thing
>to check is that those !&^#%!.^&@#%! pesky big tuning
>caps are really definitely absolutely beyond a shadow
>of a doubt NOT making ground contact with the metal
>faceplate. Jay, you probably remember that from our
>FYBO '98 soldering adventure. :-)"
>
>After switching Tap 2 of T1 to C1-A, and putting some
>heat shrink tubing over the shaft of each tuning cap,
>I had joy. And boy did it tune nice. Got the LED to
>go all the way off, and everything. This project is
>peculiar in that ground seems to be "isolated", that
>is, there isn't a common ground to all components--
>or something like that--blah, all I know is that now
>it works, and I am happy. ;-) G'nite!
>
>72
>
>Todd Atkins, K4MSW
>Baton Rouge, Louisiana
>
><http://www.qsl.net/k4msw>
>
>
>
>
>
>
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Date: Fri, 07 May 1999 06:17:47 -0400
From: Bruce Muscolino <w6toy@erols.com>
To: lycott@fox.nstn.ca
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [39787] Re: Artificial Ground and RF current meter
Message-ID: <3732BDCB.5AB5@erols.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Robert,

Both MFJ and TenTec manufacture artificial grounds. MFJ's schematic can probably be found on the web. You probably also cannot duplicate either for less money than they cost.

73

Date: Fri, 7 May 1999 07:22:22 -0400 (EDT)
From: "L. B. Cebik" <cebik@utkux.utcc.utk.edu>
To: Ade Weiss W0RSP <aweiss@usd.edu>
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [39788] RE: ZM-2 Plastic Case & Meatl
Message-ID: <Pine.GS0.4.10.9905070705051.17874-100000@larry.cas.utk.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

I have the ZM-1, and redesigned the layout before building to place the output connectors on the rear edge, since coax of virtually any size has enough force to tip the ZM case when connectors are on top. Also used some phenolic or glass board (cannot remember which, since the case is buttoned up 15 miles from me) and a nylon nut/bolt to hold it down firmly.

With a station that is well grounded to earth, the coupling would be negligible, but few of us get that lucky. Hence, if you must compact the gear close together and you have been thinking about moving the coax connectors to the case edge, you might think about changing the case to metal--perhaps a case that matches the rig, if it is one of those small monobanders.

If you need a bale, then the wire ideas are worth looking at. However, for some instances, 1/2" wide by 1/16" thick aluminum strap can be easily bent to make a nifty bale and carrying handle--if the rig case will

handle a pair of nut/bolts. Although they stick out more, I like wing nuts for easy of changing bale position and tightening down.

If you have occasional difficulties with the rig walking toward the back of the field table--and you carry your own table--then consider any number of kinds of small hold-down fixtures that can go through or around a bale and into preprepared table holes/slots/dovetail grooves/etc. in the table.

Putting this all together, you can consider putting your favorite monobander board and the ZM-1 tuner into a single case. A 5x7x2 chassis with cover plate will hold most monobander boards (having the keyer on the board is a blessing), an AF amp and thin speaker (if you like to listen while away from the table), and a small gel cell (for the table balast), with a bale for carrying, propping up, or hanging from a peg. Makes it harder to forget to bring something to the site.

Just a potpourri of notes prompted by Ade's note.

-73-

LB, W4RNL

Date: Fri, 07 May 1999 06:56:24 -0500
From: Chuck Carpenter <w5usj@unicomp.net>
To: aweiss@usd.edu, qrp-1@Lehigh.EDU
Subject: [39789] RE: ZM-2 Plastic Case & Metal
Message-ID: <3.0.1.32.19990507065624.006aafd8@mail.unicomp.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

I built my ZM-2 in metal case purchased from Jameco. Also used BNC connectors placed on the rear panel. As others have indicated, it was necessary to use larger hole sizes for the variables. This of course, to keep the shafts isolated from ground. I drew it up and sent it to Emtech and have the drawing available for anyone who would like a copy.

72/73, Chuck, W5USJ, Point, TX EM22cv -- ARCI #5422 QRP-L #1306

Date: 7 May 99 08:45:08 EDT
From: Edwin Lappi <ae4ec@usa.net>
To: qrp-1@Lehigh.EDU

Subject: [39790] QRP Classics
Message-ID: <19990507124508.1709.qmail@aw162.netaddress.usa.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=US-ASCII
Content-Transfer-Encoding: quoted-printable
Content-Transfer-Encoding: quoted-printable

My gracious thanks to all who responded to my request for
information concerning this book "QRP Classics". I have found =

the copy I am looking for. Again all you replies are appreciated.

73/72

ED, AE4EC

Get free e-mail and a permanent address at <http://www.amexmail.com/?A=3D1=>

Date: Fri, 7 May 1999 07:51:11 -0500
From: "Tom Moll" <tomm@xata.com>
To: <qrp-l@lehigh.edu>
Subject: [39791] Fishing in trees
Message-ID: <000301be9888\$49617310\$4baa7acf@tomm.XATA-CORP>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

<<<

People may get a bit worried when u pull out a sling shot, or bow and
arrow....or start heaving a heavy jug around.... but they start smiling
at u when they see u "fishing" in the trees...

joel ke1la

>>>

It's when they show up with their own rod and reel and ask
"how are they biting?" that you should start to worry.....
:)

Tom Moll N0BS

Date: Fri, 07 May 1999 10:01:24 -0300
From: Ben Pooley <bpooley@bar.auracom.com>
To: qrp-canada@lists.gpfn.sk.ca
Cc: qrp-1@lehigh.edu
Subject: [39792] SB Mayflower log
Message-ID: <3.0.6.32.19990507100124.007b5870@bar.auracom.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

VE1AHX "Spring Bouquet" log, 2300Z - 0001Z May5/6
14060 KHz +-

	Sent	Rcvd					
2308Z	AF4LQ	449	549	Mike	KY	QRP-C	#43
2315Zapprox	AB8DF	459	559	Ed	MI	5W	
2332Z	KF8BD	349	339	Ken	MI	3W	
2342Z	NA8D	599	599	Jerry	MI	QRO	
2358Z	WN6HYX	349	Lost.....				
0006Z	VE6YC	459	529	Peter	AB		#50
0026Z	WN6HYX	349	229	Mary	CA		#51
0031Z	VE5QRP	559	229	Bruce	SK		#1
0035Z	VE3FAL	339	Lost.....	sorry, Fred			
0039Z	VE5HQ	559	339	Bill	SK	3W	#116

Many thanks to all for your patience and perseverance.

Lessons learned here:

1. MUST put RIT in the old HW-8!
2. Time to do something about my antenna.

73, Ben VE1AHX, QRP-C #26

Date: Fri, 7 May 1999 13:06:05 +0100
From: "Steve Sorrell" <ap036@detroit.freenet.org>
To: <jfarler@mis.net>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [39793] re:tx into dummy load but not real antenna
Message-ID: <004301be9882\$0f78d4a0\$d142b3c7@sorrells>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Guys and Gals:

A few months ago the 'cure' for this problem was posted by Karl Heimbach.
He was tipped off by Gary Green at TenTec. Once again, here is the cure.

Gary mentioned that he had seen evidence of coupling between L8, L9 and L10. Gary's fix is to move the turns on these toroids as far away from each other as possible! That is, those on L8 towards the back of the board, those on L9 away from T1 and those on L10 towards the front of the board.

This fixed the problem on my 1330 and my friends 1340.

72 de Steve, W8SFF

Date: Fri, 7 May 1999 08:16:34 -0500
From: Clifton W Sikes <ab5uacw@juno.com>
To: qrp-l@Lehigh.EDU
Subject: [39794] Wild week in Ok.....a few goodies for sale
Message-ID: <19990507.081635.6646.0.ab5uacw@juno.com>

Hi all,

I'm sure you have all seen the news, and the damage in Ok-Ks. No damage at AB5UA, thankfully. As a matter of fact, it looks like all of the QRP group escaped. You just never know what each day will bring. What kind of weather phenoms are in Arizona? I may be ready to get ScQRPionized!

I have a few things to move out of the shack, and will start small. For Sale or Trade for something neat. Four sets of Unadilla - Reyco antenna traps, for 40, 20, 15, and 10 meters. These are used, but still very servicabbble. AES cataloge says 41.95/pair. I'll take 15.00/pair, or 50.00 for all. Also have a W2AU 1:1 Balun, that I'll throw in.

Item 2: A U.S. Navy Flameproof hand key. VG condition, 45.00 shipped.

More to follow, next week. Thanks, and have a great week end.

Clif

Clifton Sikes AB5UA QRP-L #478
Earlsboro, Ok.
ab5uacw@juno.com

You don't need to buy Internet access to use free Internet e-mail.
Get completely free e-mail from Juno at <http://www.juno.com/getjuno.html>
or call Juno at (800) 654-JUNO [654-5866]

Date: Fri, 7 May 1999 09:25:03 -0400
From: "George Goodroe" <goodroe@worldnet.att.net>
To: <cars@k4ksa.org>, <w4dug@onelist.com>, "Qrp-L@Lehigh.Edu (E-mail)" <qrp-l@Lehigh.EDU>
Subject: [39795] Station Monitor Sold
Message-ID: <000c01be988d\$0611e7c0\$e218fea9@ggoodroe>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Thanks to everyone...The Kenwood SM-220 Station Monitor is sold !

73 de KF4CPJ
George Goodroe, QRP-L #1943
St. Petersburg, Florida USA
80 Meter high noise capital of the USA <grin>
<http://home.att.net/~goodroe>
<http://www.qsl.net/kf4cpj>

Date: Fri, 7 May 1999 07:37:54 -0400 (EDT)
From: "Scott Rosenfeld [N7JI]" <ham@w3eax.umd.edu>
To: qrp-l <qrp-l@lehigh.edu>
Subject: [39796] Dayton room space available
Message-ID: <Pine.LNX.3.95.990507073616.4962H-100000@w3eax.umd.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

I reserve six rooms every year at Motel 6 Miamisburg, across the highway
from Days Inn Dayton South.

Are you worrying about finding a room at Dayton?

If so, please let me know because I have some extra space.

Scott Rosenfeld ARS N7JI
541-346-7401 Eugene, OR Land o' much rain
If you find me on the air, I'm probably in my car
ham@w3eax.umd.edu <http://w3eax.umd.edu/~ham>

Date: Fri, 07 May 1999 09:20:12 -0500
From: "Brad Bradfield, PE" <b_bradfield@yahoo.com>
To: af852@rgfn.epcc.edu, qrp-1@lehigh.edu
Subject: [39797] Re: W8JK
Message-ID: <3732F69B.5B06C8F9@yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Hello y'all - -

For everyone's information, in the second edition of W8JK's "Antennas", he gives a bit of historical perspective in several places about what his thought processes were and what went into the design of things like the corner reflector, helix, and 8JK antennas. Good reading if you're also interested in the historical aspect of technology.

72's es 73's,

Brad, W5CGH

See y'all at HAMCOM!

Date: Fri, 7 May 1999 09:10:11 -0500
From: kreinbd@ccgate.dl.nec.com (David Kreinberg)
To: qrp-1@Lehigh.EDU
Subject: [39798] Back-up rig/1st rig : have \$350 - \$400 to spend
Message-ID: <00130A76.4159@ccgate.dl.nec.com>
Mime-Version: 1.0
Content-Type: text/plain; charset=US-ASCII
Content-Transfer-Encoding: 7bit
Content-Description: cc:Mail note part
Content-Transfer-Encoding: 7bit

Gang,

I'm interested in obtaining a **working**, used, reliable back-up rig for the shack. This will also be a first rig

for my son, who is now getting interested in the hobby.

Bottom Line: I will have about \$350 - \$400 to spend.

Here is what I'm looking for -

1. Tube-type rig such as Kenwood TS-520 or Yaesu FT-101, etc.
2. Used Scout with 1-2 band modules.
3. Any 160 - 10 rig (tube or solid state), analog or digital
4. Looking for a complete radio, not just a single band QRP.

I'm wondering if someone can give me their recommendation of a rig that would fit my needs.

If nothing can be found via QRP-L, I may try going through e-Bay, but would prefer giving someone here first shot!!

73 de Dave, NR3E
QRP-L #25
nr Dallas, TX

Date: Fri, 7 May 1999 09:32:48 -0500
From: "Bryan Turner" <turnerw@email.uah.edu>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>, kreinbd@ccgate.dl.nec.com
Subject: [39799] Re: Back-up rig/1st rig : have \$350 - \$400 to spend
Message-ID: <199905071431.JAA05704@email.uah.edu>

The FT-101E was my first rig. You can cut the power down to QRP levels, if you like. There are several different models of the 101 with different features, so look carefully. Some don't have 160, some cover the good buddy band, some have an inverter for mobile operation, &c.

I bought the service manual for the 101 series from Yaseu, which was a wise investment. It has info on all models in the series, and lots of good service tips. There are also some mods in the book, including an FSK mod.

The 101E was generally very easy to repair; the radio was built using cards that could be removed.

There are a few good mods for the radio. The 10 MHz WWV band position can be converted to transceive for 30 m. operation. This was in one of the Hints and Kinks books.

Recently I saw a mod in QST to change the finals in the 101. The

rig used a Japanese variant of the 6JS6C that is hard to find. If you get a 101, you should strongly consider the mod. The standard 6JS6C sometimes presented neutralization problems.

The biggest faults with the 101E (in my opinion) were no FM for 10, no general coverage receive (I like SWL'ing), and one VFO. A separate VFO is an option as an outboard unit, however. Many of the 101 accessories are sold at inflated prices.

6 and 2 meter transverters for the 101 were also sold by Yaesu. These are also usually sold at inflated prices, but fortunately Ten Tec solves this problem with their kits.

I was a happy FT-101E owner. There were at least two previous owners of the radio when I bought it in the mid 80's. It worked like a charm for the decade or so that I owned it; I only had to make a couple of small repairs in that period, which I was able to do with my then limited radio experience. In the end, I sold it because I wanted a radio with more features.

73 Bryan W8LN

Here is what I'm looking for -

1. Tube-type rig such as Kenwood TS-520 or Yaesu FT-101, etc.
2. Used Scout with 1-2 band modules.
3. Any 160 - 10 rig (tube or solid state), analog or digital
4. Looking for a complete radio, not just a single band QRP.

I'm wondering if someone can give me their recommendation of a rig that would fit my needs.

Date: Fri, 07 May 1999 10:31:57 EDT
From: w4pj@w4bkx.ampr.org
To: qrp-l@lehigh.edu
Subject: [39800] Oblast-Prefix/suffix list
Message-ID: <67159@w4bkx.ampr.org>

Walt, K8CV, I tried to send you the file but it came back undelivered. If the list wants it, I'll send it that way. It's kinda long and my ham-email system is through a 2 meter FM AX.25 Packet gateway @1200 baud. Therefore, if I get enough response from the list membership, I will post it in installments for easier throughput from my end.

The Oblast/prefix-suffix list has been invaluable to me after the break-up of the USSR and I keep a hardcopy handy. Maybe the group will find it useful as well.

de Scott / W4PJ

Date: Fri, 07 May 1999 10:48:32 EDT
From: Richard Rood <fcsww@juno.com>
To: qrp-l@lehigh.edu
Subject: [39801] OHR100 n' Freq Mite
Message-ID: <19990507.104756.5351.0.fcsww@juno.com>

Dear List,

Has anyone put a Freq Mite into an OHR100?
Where did you make your connections, please?

dick, w2scf, qrp-l 1613
fcsww@juno.com

You don't need to buy Internet access to use free Internet e-mail.
Get completely free e-mail from Juno at <http://www.juno.com/getjuno.html>
or call Juno at (800) 654-JUNO [654-5866]

Date: Fri, 07 May 1999 10:49:54 -0400
From: Tom M <tjmc@erols.com>
To: CQCL@aol.com
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [39802] Re: Folding bail for small rigs
Message-ID: <3732FD92.A693F1ED@erols.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

SGC sells a new pop-up leg for the 2020 @ \$2.95.(see pic on their web site <http://www.sgcworld.com/2020/index.htm>)

This may be adaptable to other rigs and is cheap enough.

72
Tom aa2vk

> I have a package of small snap-up legs #1102 from Ten-Tec and just wrote to
> see if they are still available. Sorry, but they are not. They would be
> perfect for small rigs. Maybe you can find them on some obscure shelves at

Date: Fri, 7 May 1999 07:55:54 -0700 (PDT)
From: Bradley Mitchell <wb8ygg@yahoo.com>
To: qrp-l@lehigh.edu
Subject: [39803] Re: Back-up rig/1st rig : have \$350 - \$400 to spend
Message-ID: <19990507145554.23538.rocketmail@web606.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

I find that the Argosy 525 time and again is a superior CW rig, and
pretty darn good with ssb as well.

You can get it in Analog or Digital
readout.
It's small (relative to others in that vintage) , will go from low QRP
to 50Watts, does
all the traditional bands plus 30M WARC, you can load
it with filters,noiseblanker etc.
And they are pretty reasonably priced used.
Plus an finally you can easily work on this rig.

See ya.
Brad WB8YGG

Do You Yahoo!?
Get your free @yahoo.com address at <http://mail.yahoo.com>

Date: Fri, 7 May 1999 10:18:51 +0000
From: "Steven Weber" <kd1jv@moose.ncia.net>
To: qrp-l@lehigh.edu
Subject: [39804] QRPP
Message-ID: <199905071503.LAA28161@moose.ncia.net>

MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT
Content-Transfer-Encoding: 7BIT

Howdy,

Hey, QRPp just showed up here in NH :-)

Just enough time to look it over before packing up to head for the Rochester NH hamfest.

72,
Steve, KD1JV in the white Mountains of New Hampshire
"melt solder"

Date: Fri, 07 May 1999 08:14:17 PDT
From: "Brad Hernlem" <alihernlem@hotmail.com>
To: qrp-1@lehigh.edu
Subject: [39805] RE: Plug In Coils for Regens
Message-ID: <19990507151417.19588.qmail@hotmail.com>
Mime-Version: 1.0
Content-type: text/plain; format=flowed;

Michael St. Angelo (mstangelo@worldnet.att.net) writes:

>I have used the bakelite bases from faulty vacuum tubes as plug in coil
>forms for my projects.

There is an excellent article in QST describing this subject and which provides design data.

"Winding Data for the Tube-Base Coil", George Grammer W1DF, QST, February 1930, p 26. etc.

The design charts and general discussion from this article can also be found in Radio Physics Course, Alfred A. Ghirardi, 2nd. Ed. 1932.

Brad

P.S. As Paul has verified, the air core, single winding coil equation as found in the ARRL Handbook provides very close approximation to "reality". My experience has been similar.

P.P.S. As someone else suggested, toroid coils can be used in place of air

core coils. I have tried them packed in octal bases (as opposed to IC package idea proposed) but I still like the air coils better (they look more "authentic").

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Date: Fri, 07 May 1999 10:27:37 -0500
From: Randy and Cara Randall <crrandal@seidata.com>
To: kreinbd@ccgate.dl.nec.com
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [39806] Re: Back-up rig/1st rig : have \$350 - \$400 to spend
Message-ID: <37330668.349B95D2@seidata.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Before going the Ebay route, try rec.radio.swap, rec.radio.amateur.swap and rec.radio.amateur.boatanchors. Lots of rigs for sale there and usually at better than Ebay prices too! Although there are a few that try to get very high prices (find a sucker) so beware. (A TS-520 for \$700.00?!) Is there any way you can goto a local hamfest or the ULTIMATE hamfest at Dayton? Got my ticket! At least you can see it before you buy it and if you can't find it there you probably never will find it anywhere!

Good luck,
Randy KB8ASO

--
This message comes to you from Milan, IN, USA. Home of no traffic lights, lots of fields, and clean air!

"I want to shout it out with all my power!
I want to scream it from the highest tower!
I want to celebrate our finest hour...NOW!"

Never forget that life is not a dress rehearsal...

Date: Fri, 07 May 1999 11:46:32 -0400
From: Laura Halliday <lha@sdr.utias.utoronto.ca>
To: qrp-1@lehigh.edu
Subject: [39807] More fun with a sound card
Message-ID: <3.0.6.32.19990507114632.007a96c0@madrox>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

In the May Radio Communication is a writeup of an FM deviation tester. England is in the throes of changing to 12.5 kHz channel spacing on 2m, and there are lots of radios that need to be tweaked...

How it works is interesting: VXO and a harmonic mixer, with the proceeds fed to a PC sound card for FFT analysis. Presto: a narrow-band spectrum analyzer.

I can think of lots of other applications for such a widget. I've observed opposite sidebands and intermod on FFT waterfall displays, for example.

A propos Dayton: I have a place to stay Friday night (in Columbus - a ways from Dayton, but the price was right), and will improvise Saturday when I get there. Thanks for all the offers.

Laura Halliday VA3LDH "Que les nuages soient notre pied
Grid: FN03gs a terre..." - Hospital/Shafte

Date: Fri, 7 May 1999 09:13:20 -0700 (PDT)
From: RADIO OAKLAND <w6abc@yahoo.com>
To: qrp-1@Lehigh.EDU
Subject: [39808] WTB: MFJ-971 Tuner
Message-ID: <19990507161320.13884.rocketmail@web110.yahoomail.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

Hi, I'd like to know if anyone has one of these MFJ tuners for sale? Want to use it with the MFJ-9030.
Thanks,

73

Jack

Do You Yahoo!?

Get your free @yahoo.com address at <http://mail.yahoo.com>

Date: Fri, 7 May 1999 09:40:18 -0700
From: ki6ds@dpol.k12.ca.us (Hendricks, Doug)
To: <qrp-1@lehigh.edu>
Subject: [39809] HamCom Info Update
Message-ID: <01be98a8\$4b4085c0\$630a0d0a@doug.dpol.k12.ca.us>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

The list of pre-registered attendees at HamCom is growing. Here is the latest list as I have it. If you are coming to HamCom June 11, 12, 13 in Arlington, TX please send me your name and address so I can do some things:

1. Make a special numbered laminated badge with your name and call. Limited edition.
2. Add your name to the drawing for a NorCal 20 Transceiver kit from NorCal with a special anodized case from Doug Hauff, KC6RIE (San Luis Machine). Only those who preregister will be eligible for this prize. But don't worry, there are tons of other prizes available that everyone who attends will be eligible for.
3. We are making plans for the Saturday night open house and need to get a handle on how many will be there.

And, don't forget that Doc Drake and Joe Spencer have lined up an impressive list of speakers including:

George Dobbs, G3RJV

Chuck Adams, K5FO

Paul Harden, NA5N "How a Regen Works, a course in electronics"

Doug Hendricks, KI6DS "Which kit to buy, and why."

There will be QRP booths sponsored by NorTex, G-QRP Club and NorCal. Jerry Parker will be in the NorCal booth selling his NorCal and Zombie T-Shirts, Dave Fifield from Red Hot Radio will have Red Hot NorCal 20 kits for sale also in the NorCal booth. George Dobbs, Graham Firth, G3MFJ and Tony Fishpool, G4WIF will be manning the G-QRP stand and it will be the easiest to spot, as they always do a bang up job of decorating a booth.

NorCal is sponsoring a Regen Building Contest and the grand prize is a Red Hot Radio kit from Dave Fifield, with Vern Wright also donating a St. Louis

Vertical 40 meter coil and SouthBend 20' collapsible pole as a building contest prize.

Saturday night, NorTex is having a QRP Hospitality Room in Conference Room B of the Courtyard by Marriott, which is right next to the Convention center. This is where the judging for the Regen contest will take place, and is the spot to meet and visit with all of the attendees. All of the speakers will be there, and a ton of other people. Bring your latest building project. I will have the new DSW Labs DDS transceiver kit.

Jay Bromley will be bringing his K-2 and will set it up and operate outside the convention center in the afternoon. Vern Wright will bring the vertical antenna, so if you want to play with a K-2, that will be available. Jay and Kelsey Mikel are the movers and shakers behind the Ft. Smith Qrp Group. They have an exciting announcement soon to appear on QRP-L. The price is right. It is a kit and it costs \$10 and I think \$2 shipping and handling. Can't tell you what it is, but it is one of the most useful tools that you can have in the shack. Jay will be announcing it soon, and will have them at Hamcom.

We are going to have a great time in Dallas. Friday night, the group is going out for Texas Barbecue at a famous local restaurant. Sadly, Paul Harden, Mike Gipe, Dave Fifield, Jim Duffy, and I will have to miss it as we won't get there until about 11 PM Friday night. Joe Spencer will be announcing more details as we get closer. Saturday night, we plan on eating at Poppideux's (not sure about the spellig but I do know that I am ordering the fried crawdads).

Now for the list of QRPers who are going to Party in Texas!!

1. Doc Drake - W5TB
2. Joe Spencer - KK5NA
3. Barbra Spencer - KK5QA
4. Doug Hendricks - KI6DS/M0BIV
5. Jim Cates - WA5GER
6. Graham Firth - G3MFJ/W3MFJ
7. Tony Fishpool - G4WIF/K4WIF
8. George Dobbs - G3RJV
9. Ed Manuel - N5EM
10. Stuart Rohre - K5KVH
11. Larry Wise - KA5T
12. Jay Bromley - W5JAY
13. Chuck Adams - K5F0
14. Royce Rainwater - KE5TC
15. Paul Harden - NA5N
16. Jerry Parker - WA6OWR
17. George Pierce - WA5ABS
18. Glen Reid - K5FX/M0BGF
19. Dub Thornton - WA5YFY

20. Clif Sikes - AB5UA
21. Dick Stemson - KK5X0
22. Vic Turner - WA6EIW
23. John Carter - W5LGO
24. Vernon Hatley - KK5R0
25. Burl Keeton - N5DUQ
26. Bob Hynd - N5URL
27. Jim Kortge - K8IQY
28. Jim Duffy - KK6MC
29. Kelsey Mikel - KK5KU
30. Vern Wright - W6MMA
31. Larry Brandon - K1ZW
32. Steve Lowrey - K5ATY
33. Keith Newman - K5YCM
34. Jonathan Setcer - KC5BRY
35. Larry Brandon - K1ZW
36. George Lee - KR5C
37. John Langridge - KB5NJD
38. Dan Copeland - N0DT
39. Wes Spence - AC5K
40. Steve Yates - AA5TB
41. Ron Hambric - N5SBN
42. Alex Kaplinsky - K5UNY
43. Tom Stibal - W0TJ
44. Bill Steitenroth - K5ZTY
45. Paul Smith - KD5DB0
46. Henry Schneider - W5HNS
47. Phil Salas - AD5X
48. Richard Kapalczynski - N5JI
49. Bob Helms - AF5Z
50. Dave Little - AF5U
51. Bill Pierrard - K5JHP
52. Bart Lawson - N5WL
53. Dave Martin - K5YF0
54. John Sanders - AB5ZR
55. Terry Myers - KQ5U
56. Veda Henson - KF6JHC
57. Norm Mellick - KQ6SD
58. Robert Lucas, WD5IBX
59. Dave Fifield, AD6A
60. Mike Gipe, K1MG
61. Tim Pettibone - K50I
62. Scott Weathersby - AA5BK
63. Ted Kell - KC5CUW
64. Gary Hanson - KJ5VW
65. Ed Geiger - KD4AB
66. Justin McAllister - K5AEA
67. Brad Bradfield - W5CGH

68. David Kreinberg - NR3E
69. Oscar Hoyt - K5UBS
70. Charlie Crouchet - WA5KRF
71. John Moore - KK5NU

See you in Texas. 72, Doug

Date: Fri, 07 May 99 11:41:47 -0500
From: Chuck Adams <adams@ticnet.com>
To: qrp <grp-1@lehigh.edu>
Subject: [39810] DSW-40 Pictures
Message-ID: <E10fmvo-0003Pl-00@smtp.ticnet.com>

-- [From: Chuck Adams * EMC.Ver #2.5.02] --

Gang,

I didn't post as I thought the review would be enough but email since received shows that I need to post.

On my web page on qsl.net (see signature) I have placed over 40 pictures of the DSW-40 in the process of being built and the installation in the TP-19 case. One or two photos are out of focus and I'll remove them when I get around to it....

Please note. The case is primed with Rust-O-Leum grey and is not finalized. I hope to have that done by HamCom but I have several versions of a regen to do before that. :-) The front panel has the tune, gain, RIT switch, keyer button, and headphone jack. The rear panel has the antenna BNC connector, power, and paddle jack.

As some of the other builders will note the filter is fairly narrow (I didn't do the crystal case grounding) and you will appreciate the fact that the tuning is 200Hz per step. You can pass by a weak signal or a long pause during a QSO if you are not careful and try to hurry along.

I think most of us don't tune that far up and down the band

most of the time and usually hang out around 7.040MHz so the 200Hz/step is going to be enough. IMHO.

Since I have left it on continuously since it was finished except to change a battery I will run the following experiment this weekend. I have a 1.8Ahr NiCad battery pack that is made up of 10 C size cells, two gel-cells at 0.8Ahr from Power Sonic, and another that I can test as portable power sources for the backpackers. What I'd do is weigh them, charge them fully and weigh them again :-), and then put the rig on transmit continuously into a dummy load and measure the battery voltage and power output for as long as the battery is above 11.0V and report back as the experiment progresses.

I'll weigh the whole setup with rig, battery, and NorCal paddle and see if this setup will work as a portable rig for the field.

FYI

On another note. Those going to Dayton need to drop by and see the little critter. And those of you that own a Mercury paddle. Do me and the others in the group a favor. Go by Bencher's booth and give us a report on their paddle. Hopefully they will let you play with it without an ID or having to give up fingerprints.... :-) Inquiring minds wanna know how it does. I don't know if they will be at HamCom.

--

Chuck Adams K5FO adams@ticnet.com CP-60
<http://www.qsl.net/k5fo>

Date: Fri, 7 May 1999 10:48:26 -0600
From: bcutter@teal.csn.net (Bob Cutter)
To: qrp-1@LEHIGH.EDU
Subject: [39811] Unbuilt NC20 FS
Message-ID: <199905071648.KAA00021@mailrelay3.sni.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

I am not going to build this within a reasonable time so if someone else wants it let me know.

Sell at my cost (\$113.00) and I will ship USA. Includes 10T pot and counter dial.

72, Bob KI0G

Date: Fri, 07 May 1999 13:08:55 -0400
From: Tom Bowman <tbowman@nbn.net>
To: qrp-l@lehigh.edu
Subject: [39812] FS: Unbuilt 11-2-10 meter kit
Message-ID: <3.0.5.32.19990507130855.007b7100@nbn.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Too many projects.

So I'm selling an unbuilt 11-2-10 meter kit,
with a new, never used Maxon MCB-30
CB still in the box.

I paid \$26 for the 11-2-10 meter conversion kit
and \$35 for the Maxon CB.

How about \$60 even and I'll pay the shipping....

73,

Tom

<>< Tom Bowman, WA3REY, Mount Gretna, PA 17064

tbowman@mt-gretna.com QRP-L #125

<http://www.mt-gretna.com>

Date: Thu, 06 May 1999 07:00:25 -0700
From: Brian Kassel <bkassel@dancris.com>
To: qrp-l@Lehigh.EDU
Subject: [39813] Winter 1998 QRPP Arrives -WOW!!
Message-ID: <3731A079.503B1021@dancris.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Gangue:

As Doug and Paul were a bit concerned that the latest issue hadn't yet

made it into many mailboxes, I wanted all to know that not only did this jewel arrive in AZ, it is, IMHO, the best issue ever!

The 2N240 info provided by Paul is a classic example of what a great article should be. The drawings are all excellent, and as far as information content, I've never seen better in 35+ years of ham radio. Each step in the building process is spelled out so plainly that a builder should be able to do this project(or similar ones) in their sleep. Jim Kortege does a great job of explaining the project too. Preston's parallel effort shows still another approach to the project. It shows that one can take a totally different road and still arrive at the same destination - QRP Nirvana!

I do a little teaching (Visual Basic Programming), and can really relate to the thought that went into this issue.

Folks, if you have ever wanted to progress beyond building a kit, this issue is for you. I easily found at least 10 general building tips, any one of which would be worth the purchase price of this issue. With these techniques, one should be able to build, inexpensively, most HF type projects around.

The bottom line: Join NORCAL and get this issue. You will NEVER get a better bargain for your buck.

One hint: Make a personal copy of the drawings and other info, as you will be wearing out the pages in a hurry!

Thanks to Paul, Jim, Preston and Doug for a wonderful issue - now to start nibbling some PC boards...

Are we as a group, lucky or what?

Brian W5VB0
Az ScQRPions

Date: Fri, 7 May 1999 10:20:25 -0700
From: Gary L Surrency <gsurrency@juno.com>
To: ap036@detroit.freenet.org
Cc: qrp-1@Lehigh.EDU
Subject: [39814] Re: tx into dummy load but not real antenna
Message-ID: <19990507.102026.-3950575.0.gsurrency@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Also, the first thing to try when a transmitter is unstable is to reduce the value of the resistor connected between the PA's base lead and ground. Many times this change alone will calm down spurious or parasitic behavior. Often, there is more drive than is needed to the PA, but sometimes there is not. Then you will see a small reduction in output power, but this may be worth it to allow stable operation. Or, you can investigate the driver circuitry to get a little more drive by using a better transistor in the TX chain. In any case, be sure the TX bandpass filters are properly aligned, and heed the warning about keeping the toroids away from one another and also using short leads on all the components. It is best to mount the toroids at right angles to one another, and keep them as far apart as possible to avoid undesired coupling. Toroids are mostly self-shielding, but they will still interact a little when near each other.

It is not a good idea to build all the sections of the TX stages too closely together, as this just encourages instability due to undesired coupling. And do not forget that the PA stage is a source of high RF fields, so it should be away from the low level input to the TX sections, and the PA device should be mounted so that it does not couple RF energy into its input stages, or radiate RF from the heatsink. Short connections from the PA's emitter are essential to good RF stability.

Lastly, be sure that the lowpass filter of the PA stage is properly designed, so that there is a good impedance match between the PA's collector and the antenna load. Use the method I described some time back on this list, of connecting a RF analyzer to the antenna jack with a test resistor of 15-20 ohms (for ~5 watt operation) from the PA collector to ground with the power off. Many times, this measurement will unveil some mis-match that needs to be addressed, if there is a large departure from a 50 ohm resistive reading.

In short, look around for potential problems on the input, output, and power decoupling for some type of feedback. Sometime, the instability is due to the type of PA device used, and another of the same or different PA device will improve stability. If the instability always gets worse at higher power levels or reactive antenna loads, then some type of "Band-Aid" (reg. tm) is often in order. Read "Solid State Design" or the "Handbook" for more info.

Often, someone on this list has already encountered and solved these problems. So don't hesitate to ask. ;-)

72 and gl.

Gary Surrency AB7MY QRP-L #571 Chandler, AZ (near Phoenix)

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Get completely free e-mail from Juno at <http://www.juno.com/getjuno.html>
or call Juno at (800) 654-JUNO [654-5866]

Date: Fri, 07 May 1999 10:21:08 PDT
From: "Brad Hernlem" <alihernlem@hotmail.com>
To: qrp-l@lehigh.edu
Cc: na5n@rt66.com
Subject: [39815] Re: Coils for Regens: some numbers
Message-ID: <19990507172108.52040.qmail@hotmail.com>
Mime-Version: 1.0
Content-type: text/plain; format=flowed;

Paul Harden, NA5N (na5n@rt66.com) writes:

>HOMEWORK ASSIGNMENT: Years ago, the popular variable capacitor for AM
>radios was a 365pF open-air variable (65-365pF). A popular project was
>building a crystal radio using one of these, and winding a coil on a
>spent cardboard toilet paper tube.

:-) My first crystal set used a fixed capacitor and an adjustable coil
(using a wiper). The next version used a homemade variable cap constructed
out of aluminum, masonite and waxpaper (one plate fixed and the other hinged
to sweep across the other).

Brad

P.S. I DO use a slide rule at home (I leave my calculator at work).

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Date: Fri, 07 May 1999 17:20:59 +0000
From: Ed Loranger <we6w@qsl.net>
To: qrp-l@lehigh.edu
Subject: [39816] OHR-100 Drift Project -- CLOSURE
Message-ID: <373320FB.7EC8@qsl.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Hi Gang. I have had sufficient OUTDOOR and DIRECT Sunlight testing with my OHR-100 to declare the December 1998 project a HUGE success.

For those who are new or forgot, please check out the December 4th thru December 22nd. 1998 qrp-l archives and search for OHR-100.

Basically I had thermally compensated the rig and eliminated any microphonics. For the last 5 months I have operated heavily with the OHR-100 (Original, not "A" version) and have received NO reports of drift at all. For 2 years prior, I'd always get reports up to 1 KHz off, or I'd be 'creeping' during a qso just to stay in the other guys' filter! There were 2 types of drift -- Warm-up stabilazation, and Hertz/Degree temperature change.

These last 2 months of operating every Saturday at the parks, and with the black case in direct sunlight have been telling. The rig holds stable thru the entire day of operating. It used to drift 1.5 KHz per degree Fahrenheit!

I also thank all of those who shared their experience with negative coefficient polystyrene caps, toriods' Positive temp. problems, and applications.

You all gave me the confidence to continue -- knowing that I would succeed if diligent.

Knowing that "we" would succeed. Thankyou for you support.

Happy Friday friends. Don't forget WSN-40 qrp net, Saturday, 1600Z on 7040 KHz; 00K/CW.

72/Ed Loranger we6w

--

-Ed AR QRP Millennium QSO's=624/2000 QRP-L#1068
72, Ed WE6W, A-1 OP; <http://www.qsl.net/we6w> Santa Rosa, CA
QRP-Z#106 AR#112 HI-QRP#64 NC#2227 ARCI#9397 ARS#275

Date: Fri, 7 May 1999 12:29:48 -0500 (CDT)
From: Adrian Weiss <aweiss@usd.edu>
To: "L. B. Cebik" <cebik@utkux.utcc.utk.edu>
Cc: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [39817] RE: ZM-2 Plastic Case & Meatl

Message-ID: <Pine.SOL.4.03.9905071227201.8095-100000@sunburst.usd.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hi Paul:

Tnx for all the thoughts.

My one question for the expert still remains:

if I do put the ZM-2 in an all-metal case, will this in
anyway degrade its efficiency or range?

Naturally, the L/C ratio for a given freq/antenna ought
to change, but will that make any difference?

72, Ade

On Fri, 7 May 1999, L. B. Cebik wrote:

> Date: Fri, 7 May 1999 07:22:22 -0400 (EDT)
> From: L. B. Cebik <cebik@utkux.utcc.utk.edu>
> To: Ade Weiss W0RSP <aweiss@usd.edu>
> Cc: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
> Subject: RE: ZM-2 Plastic Case & Meatl
>
> I have the ZM-1, and redesigned the layout before building to place the
> output connectors on the rear edge, since coax of virtually any size has
> enough force to tip the ZM case when connectors are on top. Also used
> some phenolic or glass board (cannot remember which, since the case is
> buttoned up 15 miles from me) and a nylon nut/bolt to hold it down firmly.
>
> With a station that is well grounded to earth, the coupling would be
> negligible, but few of us get that lucky. Hence, if you must compact the
> gear close together and you have been thinking about moving the coax
> connectors to the case edge, you might think about changing the case to
> metal--perhaps a case that matches the rig, if it is one of those small
> monobanders.
>
> LB, W4RNL
>
>
>
>

Date: Fri, 07 May 1999 17:36:20 +0000
From: Ed Loranger <we6w@qsl.net>
To: qrp-l@lehigh.edu
Subject: [39818] Re: SWL needs top-notch radio. CLOSURE
Message-ID: <37332494.2AEF@qsl.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Gang, at then end of February this year, and on behalf of my friend Ray (A SWL freak), I asked for input on buying the best trail friendly SWL radio. Ray listed his requirements and prioritized them.

I ensured Ray got each and every email you sent.

Yesterday I contacted Ray and asked his decision.

=====
Ray selected a NEW Sony ICF-SW77.
=====

On Ray's behalf, I'd like to thank all of you who paused to respond to me and offer suggestions. I'd also like to thank the rest of you who may have pondered on the subject but saw that others had pre-empted your contribution.

I would like to specifically thank the following members, and I apologize if I have left anyone out:

John/WB8RCR, jerry/aa1of, Chuck/KF4VZ0, Rod/N0RC (ex K0RWC), Paul/N1ZR, Cal/KF7ET, Bruce/kk7zz, Howard/K3HW, Ray/W5XE, Mike/W9KY, Patrick/KD40BQ, Zim/VK3GJZ, Walt/k8cv, David/KF4HAW, jerry/w8gnd, Howard/K2UD, Thaire/W2APF, Niel/WA7SSA.

Thankyou very much!
72/Ed Loranger we6w/6

--

-Ed AR QRP Millennium QSO's=624/2000 QRP-L#1068
72, Ed WE6W, A-1 OP; <http://www.qsl.net/we6w> Santa Rosa, CA
QRP-Z#106 AR#112 HI-QRP#64 NC#2227 ARCI#9397 ARS#275

Date: Fri, 07 May 1999 12:45:42 -0500
From: Jay Bromley <w5jay@alltel.net>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Cc: adams@ticnet.com

Subject: [39819] Re: DSW-40 Pictures
Message-ID: <373326C6.A6F50054@alltel.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Hi Chuck,

Thanks for the pictures of the DSW-40 on your web page. I had a ball looking at every picture. This rig is going to sell like hot cakes!! On pictures #6,8,11,22 said the server was not available for these. Everything else was fine till I got to picture #33 and there in the back ground is that infamous K5F0 rig shelf that is barely visible in the back ground. I look though all the 40+ pictures trying to find a better shot of the rigs on the shelf in the background. Looks like there maybe some K5F0 keys on the top shelf. So gang if your like me and are curious about what is in the background give old Chuck an email. Maybe he will quit teasing us with all that equipment and take some pictures of that shelf of past projects.

Chuck we really appreciated your pictures on your web page and the ones on the NC-20 are also most valuable to builder at 3 a.m. in the morning. Thanks for all the look and sees at your web page. Even the out of focus ones are nice, very nice!

73 de w5jay..

Date: Fri, 7 May 1999 11:51:35 -0600
From: "Carl Zmola" <zmola@campbellsci.com>
To: kreinbd@ccgate.dl.nec.com
Cc: qrp-1@Lehigh.EDU
Subject: [39820] Re: Back-up rig/1st rig : have \$350 - \$400 to spend
Message-ID: <19990507174612653.AAA250@carl-zmola>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT
Content-Transfer-Encoding: 7BIT

kreinbd@ccgate.dl.nec.com (David Kreinberg): wrote

> I'm interested in obtaining a *working*, used, reliable
> back-up rig for the shack. This will also be a first rig
> for my son, who is now getting interested in the hobby.
>
> Bottom Line: I will have about \$350 - \$400 to spend.
>
> Here is what I'm looking for -

- > 1. Tube-type rig such as Kenwood TS-520 or Yaesu FT-101, etc.
- > 2. Used Scout with 1-2 band modules.
- > 3. Any 160 - 10 rig (tube or solid state), analog or digital
- > 4. Looking for a complete radio, not just a single band QRP.

Givin that it will be a rig used by your son, I would go solid state. The scout has a size advantage, but kenwood or yaesu solid state rig would be great. It will be hard to find a rig under \$400 that fits this need. Under \$500 is a lot easier.

Go with something that is easy to use. The easier the better. Fancy features shoul'n't be that important, but ability to switch bands quickly and get on the air quickly is. Since you probably don't need the warc bands, you can go with an early 80's rig and save some \$\$\$\$.

I think a lot of people are in that market for a first rig.

Carl
zmola@campbellsci.com

Date: Fri, 7 May 1999 13:43:53 EDT
From: PDouglas12@aol.com
To: QRP-L@lehigh.edu
Subject: [39821] DDS beta #3 up and running
Message-ID: <739c03e5.24648059@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Hi Gang,

I have the third Small Wonders Labs DDS board kit for beta building. Chuck Adams and Doug Hendricks have already reported on their success with their betas, and I am pleased to report on #3. It is up and running, and it is very easy to do. The board is well laid out, well documented, and engineered. The digital tuning is neat. It clicks. With other rigs, a tight filter may mean you can tune right past a signal without hearing it. With the DDS, the tune rate is so slow, you miss nothing, even though this is a very very tight filter. The result is a very well matched system that gives you the advantages of a super narrow filter and lots of bandspread. The QSK is very clean and thump-free. Operating will be easy on the ears.

I have decided, out of laziness more than anything else, to wait for the soon-to-be available case kit that Dave is planning, so I don't have to case

it now and re-case it later. Therefore, I won't have mine on the air right away. Well, maybe I'll try a contact or two! And for those sports fans who hate trying to figure out how to get the offsets right so the receiver and transmitter are exactly where they should be, you're going to love Dave's unique simple built-in method for making this adjustment. You certainly won't need a scope, but relative pitch hearing might come in handy!

Here's good kit to build if you have been thinking of doing one. Remember, with a DDS VFO you aren't likely to have drift problems! Chuck called me up to tell me his was done, but he said he had bad news. He found his drifted. Drifted? Uh huh, he advised with a snicker. The drift was 5 Hz in the first couple of minutes and then none that he could detect thereafter. That is, of course, no drift at all for all practical purposes! He was pulling my leg. This means you can start a contact from turn on and neither side will ever detect any drift. Can't do that with your old Heath HG-10, I bet.

72,
Preston WJ2V

Date: Sat, 17 Apr 1999 00:45:44 -0500
From: "Charles Hamel" <cdhamel@pdq.net>
To: "QRP List" <qrp-l@Lehigh.EDU>
Subject: [39822] Couple of Questions
Message-ID: <006901be8895\$8b07c740\$374158d8@cdhamel>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Hi Gang, I am putting a Curtis Keyer in a Enclosure and have a question. I have 3 wires that go to a key, one is for the dot, one is for the dash, and one is for the ground.

I wanted to use a 1/8 plug, but as you all know those plugs only have 2 places for connection, the center and the casing (ground). On my wire used for dot the manual says remember to install ground connection to paddles jack as the keyline will not work without it!

Does this mean to connect the Dash to the center connector and the ground and dot wire to the casing (ground)??

2nd question, for all of you who have portable stations, what do you use for a power supply and how do you get a ground connection in the field??

Thanks all

Charles (KC5DXQ)

Date: Fri, 7 May 1999 13:43:05 -0400
From: "Stephen Krosner" <skrosner@mindspring.com>
To: "QRPList" <qrp-l@Lehigh.EDU>
Subject: [39823] NC20 Help needed
Message-ID: <000101be98b1\$0fad46c0\$03000004@skrosner>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

I'm having a problem debugging the transmitter section of my NC-20.
Everything else seems to work OK. The symptoms are:

 6.94 volts measured at the RF test point with TC7, TC8, and TC9 peaked, VR6
full clockwise.

 all voltages in the troubleshooting guide check out.

 Receiver works fine.

 No power out as measured with my WM2 with a 50ohm dummy load on the output.
WM2 works fine with WM20 SSB rig.

 Any ideas gratefully accepted. TNX and 72 Steve

Steve Krosner, K2ZPF
Marietta, GA
x-KC6CE x-VR4LN

Date: Fri, 07 May 1999 12:50:32 -0500
From: Jay Bromley <w5jay@alltel.net>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [39824] QRPp
Message-ID: <373327E8.45297085@alltel.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Content-Transfer-Encoding: 7bit

Got mine today first class. I think old Ken Starr check them out before they came into the state. Hihi Doug!!
73 w5jay..

Date: Fri, 7 May 1999 14:11:25 -0400
From: "Ed Tanton" <n4xy@att.net>
To: <cdhamel@pdq.net>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [39825] RE: Couple of Questions
Message-ID: <001e01be98b5\$04fb8e90\$01010101@n4xy>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Wrong! There are stereo (3 places) 1/8" plugs also Charles. Your friendly Radio Shack has 'em. And, while you're there, you can get the 1/8" to 1/4" stereo adapter plug so you can use your key(s) with any rig/keyer. Connect the tip as dits (I use that cuz-since tip and dit both have 3 letters, I can keep it straight! You need these things as creeping senility becomes leaping senility!), the barrel as dashes, and the body as ground.

72 / 73 Ed N4XY email: <n4xy@arrl.net>

Date: Fri, 7 May 1999 14:12:15 -0400
From: pelt@vt.edu
To: QRP-L@LEHIGH.EDU
Subject: [39826] FS: Vibroplex Model X
Message-ID: <CA159423B0C6D111B6930000929B68E9751B08@borg.cc.vt.edu>
MIME-Version: 1.0
Content-Type: text/plain

Not really QRP, but I thought I would give this list first crack. I'm getting ready to sale my Vibroplex Model X - serial # 10591. Asking price is \$650.

Ranson W4WYT
<http://www.vt.edu:10021/P/pelt/VibroplexX.jpg>

Date: Fri, 7 May 1999 13:16:19 -0500
From: "Chris Cieslak" <ccieslak@law.uiuc.edu>
To: <cdhamel@pdq.net>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [39827] Re: Couple of Questions
Message-ID: <00c501be98b5\$b4df7b00\$0f1215ac@classifiedventures.com>

Charles-

You'll have to use a stereo plug for your paddle. Usually the convention is to use the tip of the connector for the dot paddle, the ring (second from the top) for the dash, and the sleeve (bottom-most part) for the ground.

```
  /\
 /  \  <-- tip to dot
|--|
|--|  <-- ring to dash
 | |
 | |  <-- sleeve to ground
----
 | |  <--plastic body of connector
```

as for the second question, gel cells are my favorite-- there's lots of charging info and circuits available. I usually use a 1/4 wave wire off the ground connection of the tuner if i am using one.

73 chris aa9hd

> Does this mean to connect the Dash to the center connector and the ground
> and dot wire to the casing (ground)??
>
> 2nd question, for all of you who have portable stations, what do you use
for
> a power supply and how do you get a ground connection in the field??
>
> Thanks all
> Charles (KC5DXQ)
>
>
>

Date: Fri, 07 May 1999 12:01:16 -0600
From: Larry East <w1hue@amsat.org>
To: qrp-1@lehigh.edu

Cc: aweiss@usd.edu (Ade Weiss W0RSP), clofgren@BENSON.MCKENNA.EDU
Subject: [39828] ZM-2 ATU
Message-ID: <3.0.3.32.19990507120116.00921050@axp1>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

In a recent post, Ade Weiss said:

>

>Otherwise, the ZM-2 is the top (in my humble opinion) QRP tuner. I
>have been toying with the notion of lining the plastic case with
>copper foil to see what happens, but haven't gotten around to it.
>Sort of a "if it works great, why try to improve it?" situation.

I sprayed the inside of my ZM-2 case with "conductive paint" -- the kind sold by many suppliers for RFI shielding. Seemed to help -- it essentially eliminated the effects of "hand capacity" -- but I haven't tried the ZM-2 directly on top of a piece of metal.

I had difficulties with my ZM-2 matching anything less than about 60 Ohms on 30M. Changing the coil configuration to that advocated by Charlie Lofgren, <clofgren@BENSON.MCKENNA.EDU>, fixed that situation and also improved the matching range on 40M. Now I have trouble matching anything less than about 25 Ohms on 80M ... Oh well, ain't nuttin' perfect! :-) In this configuration, the variable cap across the coil is not grounded, so I found it necessary to use an all plastic knob rather than the original one with a metal insert in the middle.

72, Larry W1HUE/7

Date: Fri, 07 May 1999 11:26:33 -0700
From: Jim Lowman <jmlowman@ix.netcom.com>
To: qrp-l@lehigh.edu
Subject: [39829] FS: Original Norcal Sierra kit
Message-ID: <37333059.D4DC7C95@ix.netcom.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Gang,

As a warmup while I'm waiting for my K2 kit to arrive around the end of this month or the first of June, I decided to assemble my Sierra kit that has been sitting in its box for the last couple of years.

I bought the kit from the estate of a close friend, who became a SK in May of 1997.

After locating the parts and the manual, I noticed that the cover of the manual refers to the product as the "Norcal Sierra." Inside, the reference is to Revision A, 9-1-94.

So, it appears that I have the original model, kitted by Norcal, still unassembled.

As I am lousy with metalwork and artwork, my inclination is to sell this kit and buy the Wilderness version from QRP Bob at Wilderness.

According

to Bob, other than the finished cabinet, the Wilderness version has ABX, but is electronically equivalent to the original Norcal kit otherwise.

I'll sell it for whatever it originally sold for from Norcal, plus shipping.

Anyone interested?

72 de Jim - AD6CW
San Bernardino, CA

Date: Fri, 07 May 1999 14:38:23 -0400
From: Norman Young <normany@mindspring.com>
To: qrp-1@Lehigh.EDU
Cc: w4sis@mindspring.com
Subject: [39830] CW Chat?
Message-ID: <1.5.4.16.19990507183823.2e9f3422@pop.mindspring.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

I think this qrp related by virtue of CW being our primary communication mode...

Our club is currently teaching a zero to tech plus class, so we are doing code right along with the theory and rules. However, our code time with each class is limited to introducing characters plus a little practice and/or testing on characters we've already introduced. It is up to each student to practice on his or her own using software or ARRL code practice. We'd like to make it a little more interesting than that.

Which brings me to my idea. Several software packages such as Supermorse will play a text file and display it at the same time. The initial keyboard input into chat room programs is essentially text as well. So, all you programming & QRPing gurus... how difficult would it be to write an interface for a code practice program and a chat room program in order to

send and receive morse code online?

Theoretically, if the interface could capture the text and feed it to the code program, then the code program should be able to send the text at the speed desired by the learner. Since the code program should be able to either display the text while it is being sent, or at the end, a learner could conceivably communicate using code via a chat room from the beginning. Hopefully, the learner would begin learning by sound from day one.

My thinking is that by interfacing two existing programs rather than starting from scratch, much of the work would already be done. While I believe that such an interface could be written, it is clearly beyond my time or present ability to do so. (I stopped programming to any great extent after Quickbasic 4.5 went by the wayside, although I still use it when I want to write something simple for myself.)

So three questions for the input of the wise ones... First, has this already been done? Second, does something like this seem like a good idea to supplement existing code instruction and practice? Third, is there any programming guru up to the challenge?

Now I know there are many other ways to teach and/or learn code. I have no intention of throwing the tried and true out the window, but if this sort of program is technically feasible, it seems to me that we would have one more tool to encourage CW, and thereby encourage more QRPers.

Whadda ya think?

72

Norman

Norman Young <><

KA4PUV

Zebulon, NC

Date: Fri, 7 May 1999 12:08:50 -0700

From: ki6ds@dpol.k12.ca.us (Hendricks, Doug)

To: <qrp-1@lehigh.edu>

Subject: [39831] NA5N Desert Ratt 3 Regen Plans

Message-ID: <01be98bd\$0b257e40\$630a0d0a@doug.dpol.k12.ca.us>

MIME-Version: 1.0

Content-Type: text/plain;

charset="iso-8859-1"

Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Guys, I have scanned in the schematic and the parts list for the Desert Ratt 3, a very easy to build Regen designed by NA5N, Paul Harden. If you will send me an email with "Desert Ratt" in the subject line, I will send you the file. It is in Word97 format. 72, Doug

Date: Fri, 7 May 1999 13:02:40 -0600
From: bcutter@teal.csn.net (Bob Cutter)
To: qrp-1@LEHIGH.EDU
Subject: [39832] Unbuilt NC20 FS...SOLD
Message-ID: <199905071902.NAA14076@mailrelay3.sni.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

I did not mention, I am building a boat and that is taking all my spare time!!
72, Bob KI0G

Date: Fri, 07 May 1999 15:49:17 EDT
From: w4pj@w4bkx.ampr.org
To: qrp-1@lehigh.edu
Subject: [39833] Oblast list #1 of 10
Message-ID: <67222@w4bkx.ampr.org>

I got a few replies regarding the Prefix/Suffix list of the former USSR.
Here is part 1.

TERRITORIES, PREFIXES AND SUFFIXES OF THE FORMER USSR.

=====
Compiled by Oleg Chernozymov, UA4CIF, 31 March, 1995
Text corrections and additional information by RW3AH, Dec. 24th 1995.

Source: "Amateur Stations of the former Soviet Commonwealth"
by RA6YR, 1995.

Two-letter combinations after oblasts names in Russia and Ukraine are adopted for ham tests and other purposes.

Russia R, RA, RK, RN, RU, RV, RW, RX, RZ, UA; 1-4, 6, 8-0;

Armenia	EK	UG)
Moldavia	ER	(ex-U0)
Byelorussia	EU-EW; EV5	(ex-UC)
Kirghizia	EX	(ex-UM)
Tadjikistan	EY	(ex-UJ)
Turkmenia	EZ	(ex-UH)
Uzbekistan	UK	(ex-UI)
Kazakhstan	UN; UP	(ex-UL)
Ukraine	UR-UY; EM-E0; UV, UW, UZ, U5	(ex-UB)
Azerbaijan	4J, 4K	(ex-UD)
Georgia	4L	(ex-UF)

Russia R, RA, RK, RN, RU, RV, RW, RX, RZ, UA; 1-4, 6, 8-0;

=====

- * The second letter in a suffix: W, X, Y, Z - Club stations
- * U1-4, 6, 9-0 World War II veterans
- * U1MIR - U9MIR cosmonauts
- * R1ANA - R1ANZ Antarctica
- * R1FJA - R1FJZ Franz Josef Land (Arctic)
- * R1MVA - R1MVZ Maly Visotski Island (ex-4J1.)
- * R3ARES - Russian amateur radio emergency service H.Q (RARES), Moscow.
- * REORAS - RARES, Regional service. Central Siberia, Krasnoyarsk.
- * R3ARC - H.Q. Rescue service of Russian Red Cross. Moscow.
- * R3RRC - "Russian Robinson Club" H.Q. Lipetsk city (R3G area).
- * R3SRR - Russian Amateur Radio Union H.Q. Moscow.
- * R3VHF - VHF Committee of Russian Amateur Radio Union.

Oblast Identification by Combination of a Figure and 1st letter in a suffix.

Date: Fri, 07 May 1999 13:59:39 -0600
 From: Ray Colbert <af852@rgfn.epcc.edu>
 To: qrp-1@lehigh.edu, kreinbd@ccgate.dl.nec.com
 Subject: [39834] Re: Back-up rig/1st rig : have \$350 - \$400 to spend
 Message-ID: <3733462B.940BBBF1@rgfn.epcc.edu>
 MIME-Version: 1.0
 Content-Type: text/plain; charset=us-ascii
 Content-Transfer-Encoding: 7bit
 Content-Transfer-Encoding: 7bit

If 160 is not that great of a need, then I would heartily
 recommend the TenTech Triton series - 520=Triton 2 which is

easily qrp'ed with an amp bypass cable, same with the Triton 4
540 analog or 544 digital. Also an excellent little rig is the
Kenwood TS130S, which the drive will allow down to below 1 watt,
and with tube finals (6146 x 2) is a Tempo 2020- all solid state
except for the finals, ac/dc supply built in, filament off switch
for monitoring, cw filter is 500hz, 15 mhz WWV and SW listening
range. u/lsb/cw/am semi digital and the drive control will take it
down to well below 4 watts, and it stays pretty constant at that
range - some rigs tend to ride up or down when the drive control
is at that level. Another one for ssb/cw and has pushbutton qrp
(1 watt) is the Heath SB104 - all solid state.
Good luck on your quest. A lot of good rigs out there still.
73 Ray

--

"Politicians are like nappies. Both should be
changed regularly -- and for the same reason"
"Scotsman - Scotsman's Diary 12/97"

Ray Colbert, W5XE, 00TC 3618, SOWP 1064M NCT2
(also w5xe@juno.com El Paso, (FAR WEST) TEXAS

Date: Fri, 07 May 1999 15:58:18 EDT
From: w4pj@w4bkx.ampr.org
To: qrp-l@lehigh.edu
Subject: [39835] Oblast part 5 of 10
Message-ID: <67235@w4bkx.ampr.org>

Armenia EK Yerevan city.
=====

Moldavia (Moldova) ER

=====

6, 7, 8, 9 - In reserve, special event licenses.
0 - For foreign amateurs.

Suffixes: KAA - KZZ - Club station
 AAA - ZZZ - 4 - Category
 AA - ZZ - 1, 2, 3 - Category

ER1 Kishinev, Dubossary, Orgeev, Khyncheshty
ER2 Tiraspol, Bendery, Kaushany

ER3 Beltsy, Rybnitsa, Floreshty
ER4 Yedintsy, Drokia, Soroki
ER5 Kagul, Komrat, Leovo, Chadyr-Lunga

Byelorussia EU. EW. EV.

=====

EU - EW1	Minsk	
EU - EW2	Minskaya oblast	Minsk (Borisov)
EU - EW3	Brestskaya oblast	Brest
EU - EW4	Grodnenskaya oblast	Grodno
EU - EW6	Vitebskaya oblast	Vitebsk
EU - EW7	Mogilyovskaya oblast	Mogilyov
EU - EW8	Gomel'skaya oblast	Gomel

EU, EW9 In reserve
EU, EW0 For foreign amateurs
EV5 For special event licenses

Suffixes YAA - YZZ female operator
Suffixes, beginning with W, X, Z Club station

EV1, 2, 3, 4, 6, 7, 8, Suffixes A - Z World War II veterans,
special memorial event stations.

Date: Fri, 07 May 1999 15:59:48 EDT
From: w4pj@w4bkx.ampr.org
To: qrp-1@lehigh.edu
Subject: [39836] Oblast part 6 of 10
Message-ID: <67239@w4bkx.ampr.org>

Kirghizia EX.

=====

EX2, 8, 0 one-letter suffixes Extra license
EX6, 7, 8 two-letter suffixes I Category
EX8, three-letter suffixes - 2, 3 Category
EX9, second letter in a suffix - W, X, Y, Z - Club station

Oblast identification by the 1st letter in a suffix
(excluding Extra stations)

M	Chuyskaya oblast, Bishkek	Bishkek
N	Oshskaya oblast	Osh
P	Narynskaya oblast	Naryn
Q	Issyk-kul'skaya oblast	Przhevalsk
T	Talasskaya oblast	Talas
V	Dzhalal-Abadskaya oblast	Dzhalal-Abad

Tadjikistan EY.

=====

EY1, 2, 3, 0 - In reserve

Suffixes ZA - ZZ, ZAA - ZZZ - Club station

EY4	Gorno-Badakhshanskaya Autonomous Oblast	Khorog
EY5	Khatlonskaya oblast (region of Kulyab)	
EY6	Khatlonskaya oblast (region of Kurgan-Tyube)	
EY7	Leninabadskaya oblast	Khodzhent
EY8	Dushanbe	
EY9	Nurek and Republican subordinate regions	

Turkmenia EZ.

=====

EZ3	Akhalsky veloyat
EZ4	Balkansky veloyat
EZ5	Maryisky veloyat
EZ6	Dashkhovuzsky veloyat
EZ7	Lebapsky veloyat
EZ8	Ashgabad

One-letter suffixes	Club station
One-letter suffixes W,X,X,Z	For special event licenses

Date: Fri, 07 May 1999 16:01:38 EDT
 From: w4pj@w4bkx.ampr.org
 To: qrp-1@lehigh.edu
 Subject: [39837] Oblast part 7 of 10
 Message-ID: <67242@w4bkx.ampr.org>

Uzbekistan UK
=====

UK7, 8, 9

UJ, UL, UM - In reserve
Suffixes WA - ZZ Club station
U8 World War II veterans

Oblast identification by the 1st letter of a suffix:

A	Tashkent	
B	Tashkentskaya oblast	Tashkent
C	Kashkardar'inskaya oblast	Karshi
D	Syrdar'inskaya oblast	Gulistan
F	Andizhanskaya oblast	Andizhan
G	Ferganskaya oblast	Fergana
I	Samarkandskaya oblast	Samarkand
L	Bukharskaya oblast	Bukhara
O	Namanganskaya oblast	Namangan
Q	Navoiyskaya oblast	Navoi
T	Surkhandar'inskaya oblast	Termez
U	Khorezmskaya oblast	Urgench
V	Dzhizakskaya oblast	Dzhizak
Z	Karakalpakia	Nukus

Date: Fri, 07 May 1999 16:03:39 EDT
From: w4pj@w4bkx.ampr.org
To: qrp-l@lehigh.edu
Subject: [39838] Oblast part 8 of 10
Message-ID: <67245@w4bkx.ampr.org>

Kazakhstan UN
=====

UN ordinary licenses
UP For special event licenses

Suffixes XA - XZ Emergency services
UN1, U0, UQ In reserve

One-letter suffixes: Extra license

Two-letter suffixes: I Category
Three-letter suffixes: 2, 3, 4 category

Oblast identification by the 1st letter of a suffix:

A	Mangistauskaya oblast	Mangistau
B	Akmolinskaya oblast	Akmolinsk
C	Severo-Kazakhstanskaya oblast	Petropavlovsk
D	Semipalatinskaya oblast	Semipalatinsk
E	Kokchetavskaya (Kokshetau) oblast	Kokchetav
F	Pavlodarskaya oblast	Pavlodar
G	Alma-Ata (Almaty)	
I	Aktyubinskaya oblast	Aktyubinsk
J	Vostochno-Kazakhstanskaya oblast	Ust' Kamenogorsk
K	Kzyl-Ordinskaya oblast	Kzyl Orda
L	Kustanayskaya oblast	Kustanay
M	Ural'skaya oblast	Uralsk
N	Chimkentskaya oblast	Chimkent (Shymkent)
O	Atyrauskaya oblast	Atyrau
P	Karagandinskaya oblast	Karaganda
Q	Alma-Atinskaya oblast	Alma-Ata (Alamaty)
R	Dzhezkazganskaya oblast	Dzhezkazgan (Zhezkazgan)
S	Leninsk (Baikonur)	
T	Dzhambul'skaya oblast	Dzhambul (Zhambyl)
V	Taldy-Kurganskaya oblast	Taldy-Kurgan (Taldykorgan)
Y	rgayskaya oblast	Arkalyk

Date: Fri, 07 May 1999 16:05:30 EDT
From: w4pj@w4bkx.ampr.org
To: qrp-l@lehigh.edu
Subject: [39839] Oblast part 9 of 10
Message-ID: <67248@w4bkx.ampr.org>

Ukraine UR-UY.

=====

UR - UY	ordinary licenses
EM - EO	For special event licenses
UV, UW, UZ	In reserve
U5	World War II veterans

Two-letter suffixes: I Category
Three-letter suffixes: 2, 3, 4 Categories
Second letter of a suffix: W, X, Y, Z - Club stations

UU1-8J, UU0J Crimea (KR) Simferopol
UU9J Sevastopol (SL)

Oblast identification by the 1st letter of a suffix:

A	Sumskaya oblast (SU)	Sumy
B	Ternopolskaya oblast (TE)	Ternopol
C	Cherkasskaya oblast (CH)	Cherkassy
D	Zakarpatskaya oblast (ZA)	Uzhgorod
E	Dnepropetrovskaya oblast (DN)	Dnepropetrovsk
F	Odesskaya oblast (OD)	Odessa
G	Khersonskaya oblast (HE)	Kherson
H	Poltavskaya oblast (PO)	Poltava
I	Donetskaya oblast (DO)	Donetsk
K	Rovenskaya oblast (RI)	Rovno (Rivno)
L	Kharkovskaya oblast (HA)	Kharkov
M	Luganskaya oblast (LU)	Lugansk
N	Vinnitskaya oblast (VI)	Vinnitsa
P	Volynskaya oblast (VO)	Lutsk
Q	Zaporozhskaya oblast (ZP)	Zaporozhie
R	Chernigovskaya oblast (CR)	Chernigov
S	Ivano-Frankovskaya oblast (IF)	Ivano-Frankovsk (Ivano-Frankivsk)
T	Khmelnitskaya oblast (HM)	Khmelnitsky
U	Kievskaya oblast (KO)	Kiev
U	Kiev (KV)	
V	Kirovogradskaya oblast (KI)	Kirovograd
W	Lvovskaya oblast (LV)	Lvov (Lviv)
X	Zhitomirskaya oblast (ZH)	Zhitomir
Y	Chernovitskaya oblast (CN)	Chernovtsy
Z	Nikolaevskaya oblast (NI)	Nikolaev

Date: Fri, 07 May 1999 16:07:42 EDT
From: w4pj@w4bkx.ampr.org
To: qrp-1@lehigh.edu
Subject: [39840] Oblast part 10 of 10
Message-ID: <67251@w4bkx.ampr.org>

Azerbaijan 4J. 4K.

=====

4J, 4K

1, 0 For special event licenses and foreign amateurs.

Suffixes AWA - ZZZ	Club station
AAA - ZVZ	2, 3 Category
AA - ZZ	1 Category
A - Z	Extra licenses

4J2, 4K2 Nakhichevan'

4J4-9, 4K4-9 Baku city

4J3, 4K3 Azerbaijan territories excluding Baku and Nakhichevan'

Georgia 4L.

=====

4L1, 4L4, 4L6, 4L7, 4L0	ordinary licenses
2, 3, 5, 8, 9	In reserve
One-letter suffix	Extra licenses

Date: Fri, 07 May 1999 16:09:09 EDT
From: w4pj@w4bkx.ampr.org
To: qrp-1@lehigh.edu
Subject: [39841] Oblast file
Message-ID: <67254@w4bkx.ampr.org>

I hope the membership of the list finds the 10 part file of some use.
The next time you are hearing those watery signals coming over the pole
late at night, you will have a good idea where they are coming from.
de Scott / W4PJ
DX IS!

Date: Fri, 07 May 1999 16:17:40 EDT
From: w4pj@w4bkx.ampr.org
To: qrp-1@lehigh.edu
Subject: [39842] Oblast part 2 of 10
Message-ID: <67258@w4bkx.ampr.org>

*** Russia, Region 1 ***

Central city

North-West Russia

of a territory

A, B, D, F, G, H, I, J, L, M - St.Petersburg (SP)

C	Leningradskaya oblast (LO)	St.Petersburg
N	Republicarelia (KL) (Prefix RN1)	Petrozavodsk
O	Arkhangelskaya oblast	Archangelsk
P	Nenetsky Autonomous Okrug (NO)	Nar'yan-Mar
Q, R, S	Vologodskaya oblast (VO)	Vologda
T, U	Novgorodskaya oblast (NV)	Novgorod
W, X	Pskovskaya oblast (PS)	Pskov
Y, Z	Murmanskaya oblast (MU)	Murmansk

*** Russia, Region 2 ***

Baltics

F	Kaliningradskaya oblast (KA)	Kaliningrad
---	------------------------------	-------------

*** Russia, Region 3 ***

Central Russia

A, B, C, F, H Moscow ciA)

D	Moskovskaya oblast (MO)	Moscow area (Pushkino)
E	Orlovskaya oblast (OR)	Oryol
G	Lipetskaya oblast (LP)	Lipetsk
I, J	Tverskaya oblast (TV)	Tver'
L	Smolenskaya oblast (SM)	Smolensk
M	Yaroslavskaya oblast (JA)	Yaroslavl
N, O	Kostromskaya oblast (KS)	Kostroma
P	Tul'skaya oblast (TL)	Tula
Q	Voronezhskaya oblast (VH)	Voronezh
R	Tambovskaya oblast (TB)	Tambov
S	Ryazanskaya oblast (RA)	Ryazan'
T	Nizhegorodskaya oblast (NN)	Nizhny Novgorod
U	Ivanovskaya oblast (IV)	Ivanovo
V	Vladimirskaya oblast (VL)	Vladimir
W	Kurskaya oblast (KU)	Kursk
X	Kaluzhskaya oblast (KG)	Kaluga
Y	Bryanskaya oblast (BR)	Bryansk
Z	Belgorodskaya oblast (BO)	Belgorod

Date: Fri, 07 May 1999 16:20:27 EDT
From: w4pj@w4bkx.ampr.org
To: qrp-l@lehigh.edu
Subject: [39843] Oblast part 3 of 10
Message-ID: <67260@w4bkx.ampr.org>

*** Russia, Region 4 ***

Volga river area.

A, B	Volgogradskaya oblast (VG)	Volgograd
C, D	Saratovskaya oblast (SA)	Saratov
F	Penzenskaya oblast (PE)	Penza
H, I	Samarskaya oblast (SR)	Samara
L, M	Ul'anovskaya oblast (UL)	Ul'anovsk
N, O	Kirovskaya oblast (KI)	Kirov (Vyatka)
P, Q, R	Republic of Ta (Tatarstan) (TA)	Kazan'
S, T	Republic of Mari (Mari-El) (MR)	Joshkar-Ola
U	Republic of Mordovia (MD)	Saransk
W	Republic of Udmurtia (UD)	Izhevsk
Y, Z	Republic of Chuvashia (CU)	Cheboksary

*** Russia, Region 6 ***

Northern Caucasus

A, B, C, D	Krasnodarsky Kray (KR)	Krasnodar
E	Republic of Karachaevo-Cherkessia (KC)	Cherkessk
F, G, H	Stavropolsky Kray (ST)	Stavropol
I	Republic of Kalmykia (KM)	Elista
J	Republic of Northern Ossetia (SO)	Vladikavkaz
L, M, N, O	Rostovskaya oblast (RO)	Rostov-on-Don
P, Q, R	Republics of Ingushetia & Chechnya (CN)	Grozny, Nazran'
U, V	Astrakhanskaya oblast (AO)	Astrakhan'
W	Republic of Daghestan (DA)	Makhachkala
X	Republic of Kabardino-Balkaria (KB)	Nal'chik
Y	Republic of Adygeya (AD)	Maykop

*** Russia, Region 8 ***

Far East (Buryatia)

T	Ust' Ordynsky Buryatsky Autonomous Okrug (UO)	Ust' Ordynsky
V	Aginsky Buryatsky Autonomous Okrug (AB)	Aginskoe

Date: Fri, 07 May 1999 16:22:03 EDT
From: w4pj@w4bkk.ampr.org
To: qrp-l@lehigh.edu
Subject: [39844] Oblast part 4 of 10
Message-ID: <67263@w4bkk.ampr.org>

*** Russia, Region 9 ***

Ural mounts. area and Central, Western Siberia.

A, B	Chelyabinskaya oblast (CB)	Chelyabinsk
C, D, E	Sverdlovskaya oblast (SV)	Yekaterinburg
F	Permskaya oblast (PM)	Perm'
G	Komi-Permyatsky Autonomous Okrug (KP)	Kudymkar
H, I	Tomskaya oblast (TO)	Tomsk
J	Khanty-Mansyisky Autonomous Okrug (HM)	Khanty-Mansyisk
K	Yamalo-Nenetsky Autonomous Okrug (JN)	Salekhard
L	Tyumenskaya oblast (TN)	Tyumen'
M, N	Omskaya oblast (OM)	Omsk
O, P	Novosibirskaya oblast (NS)	Novosibirsk
Q, R	Kurganskaya oblast (KN)	Kurgan
S, T	Orenburgskaya oblast (OB)	Orenburg
U, V	Kemerovskaya oblast (KE)	Kemerovo
W	Republic of Bashkiria (Bashkortostan) (BA)	Ufa
X	Republic of Komi (KO)	Syktyvkar
Y	Altaysky Kray - (AL)	Barnaul
Z	Republic of Altay (GA)	Gorno-Altaysk

*** Russia, Region 0 ***

Eastern Siberia and Far East.

A	Krasnoyarsky Kray (KK)	Krasnoyarsk
B	Taymyrsky Autonomous Okrug (TM)	Dudinka
C	Khabarovsky Kray (HK)	Khabarovsk
D	Yevreyskaya (Jewish) Autonomous Oblast (EA)	Birobidzhan
E, F, G	Sakhalinskaya Oblast (SL)	Yuzhno-Sakhalinsk
H	Evenkiysky Autonomous Okrug (EW)	Tura
I	Magadanskaya oblast (MG)	Magadan
J	Amurskaya oblast (AM)	Blagoveshensk
K	Chukotsky Autonomous Okrug (CK)	Anadyr'
L, M, N	Primorsky Kray (PK)	Vladivostok
O, P	Republic of Buryatia (BU)	Ulan-Ude
Q, R	Republic of Yakutia (Saha) (YA)	Yakutsk
S, T	Irkutskaya oblast (IR)	Irkutsk
U, V	Chitinskaya oblast (CT)	Chita
W	Republic of Khakassia (HA)	Abakan
X	Koryaksky Autonomous Okrug (KJ)	Palana
Y	Republic of Tuva (TU)	Kyzyl
Z	Kamchatskaya oblast (KT)	Petropavlovsk-Kamchatsky

Date: Fri, 07 May 1999 16:35:24 -0400

From: Tom Bowman <tbowman@nbn.net>
To: qrp-1@lehigh.edu
Subject: [39845] SOLD: 11-2-10 meter kit
Message-ID: <3.0.5.32.19990507163524.00836c60@nbn.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

The 11-2-10 meter kit and rig has been sold.

Thanks,

tom, WA3REY

<>< Tom Bowman, WA3REY, Mount Gretna, PA 17064

tbowman@mt-gretna.com QRP-L #125

<http://www.mt-gretna.com>

Date: Fri, 7 May 1999 14:34:03 -0700
From: "mail" <richqrp@home.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [39846] address
Message-ID: <006d01be98d1\$54337d80\$f5460418@cx55215-a.elcjn1.sdca.home.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Does anyone know if Jim Cates has an E-mail address, if so what is it please.

Thanks, Rich / WD6FDD

Date: Fri, 7 May 1999 11:05:03 GMT
From: waltk8cv@juno.com
To: punisher3@aol.com
Cc: qrp-1@lehigh.edu
Subject: [39847] T-kit qrp transceiver parasitics
Message-ID: <19990507.205658.-211477.1.waltk8cv@juno.com>
MIME-Version: 1.0

Content-Type: text/plain
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Ben and group:

We have been over this ground before, there are 3 toroids in the final, the windings need to be as far from each other as possible! Just slide the windings on the cores. The one on the left away from the center toroid and the one on the right away from the center toroid. This fix was posted to QRP-L and came from TenTec ! It worked with my 1340 and a friends 1330 !! Put a disk in your A drive and make a directory called MESSAGES (can only be 8 character long) and save thing like this to it! Disks can save a LOT of stuff if you put the messages in there OWN folder or directory !

Walt K8CV Royal Oak, MI.

You don't need to buy Internet access to use free Internet e-mail.
Get completely free e-mail from Juno at <http://www.juno.com/getjuno.html>
or call Juno at (800) 654-JUNO [654-5866]

Date: Fri, 07 May 1999 15:08:36 -0700
From: Allan G Taylor <k7gt@arrl.net>
To: qrp-l@lehigh.edu
Cc: k7gt@arrl.net
Subject: [39848] FS: 10M DK9SQ pole
Message-ID: <37336464.3AF9@arrl.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

An antenna deal that I just cannot pass up leads me to offer my DK9SQ 10m (33+') pole for sale. It has been used one season and is in excellent condition. They are \$99 new from Kanga/US. I will sell it to a good home for \$80+shipping. Sorry, no trades considered.

(I will not be reading my email until Monday morning.
Have a great weekend.)

Allan K7GT

k7gt@arrl.net

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                                     |
                                   //|
                                   / |
Allan Taylor, PE  K7GT             | /Z | \   FISTS 3222 QRP-L 1016
    k7gt@arrl.net                 /| /599| \   ARS 228 NorCal 2018
operating nr SF/Oakland CA        /_||/____|__\  DXCC and WAS 40/cw
..."QRP, QRO, or barefoot..."... [\--=====~/  http://www.qsl.net/k7gt
~~~~~
```

Date: Fri, 7 May 1999 17:31:03 -0500
From: "Walter Dufrain" <walter@inlink.com>
To: "QRP-L" <qrp-l@lehigh.edu>
Subject: [39849] QRPP
Message-ID: <003701be98d9\$b39404e0\$606ac4ce@nexar>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

The Winter QRPP arrived this afternoon. WOW, what a fine edition. Thanks to all that were involved in this effort.

The Construction Special, Jim K8IQY's 2N2/40 is some rig and even with all the digital vfo rigs forthcoming, this is going to be a classic for the scratch builders for many years. With the drawings by Paul NA5N being so good, heck you don't need photos of the rig. Also want to mention that Preston WJ2V has a Paddyboard (ugly construction or dead bug) 2N2/40 is sure to be a handbook for the roll your own folks.

Qrp has come a long way since 1979-80 when I first attended the Houston Texas QRP group and we were slobbering over some Direct Conversion receivers and simple transmitters that were all solid state.

72/73 Walter Dufrain, AG5P Wright City, Missouri

Date: Fri, 07 May 1999 15:46:06 -0700
From: Allan G Taylor <k7gt@arrl.net>
To: qrp-l@lehigh.edu
Subject: [39850] Re: DK9SQ 10 m mast for sale
Message-ID: <37336D2E.6C00@arrl.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

The mast is SOLD.

K7GT k7gt@arrl.net

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End of QRP-L Digest 1450
